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MUSEUM OF VICTORIA



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# FIRST GENERAL REPORT

OF THE

GOVERNMENT BOTANIST

ON THE

# VEGETATION OF THE COLONY.

**Dated September, 1853.**

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LAI'D UPON THE COUNCIL TABLE, BY THE COLONIAL SECRETARY,

BY COMMAND OF

HIS EXCELLENCY THE LIEUTENANT GOVERNOR,

AND

ORDERED BY THE COUNCIL TO BE PRINTED,

**20th October, 1853.**

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By Authority:

JOHN FERRES, GOVERNMENT PRINTER, MELBOURNE.

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1853.











## REPORT OF THE GOVERNMENT BOTANIST.

Botanic Gardens, Melbourne,  
5th September, 1853.

SIR,

In obedience to His Excellency's command, I have the honor to transmit to you my General Report, partly compiled from those documents which I forwarded on several occasions during my journey, from February until June last, and partly resting on the subsequent examination of the specimens which I brought home.

Before I enter into any details on the classification of our indigenous vegetable world, on its relation in comparison with the plants of the adjacent countries, and on the practical uses to which we might possibly apply many of its productions, it may be considered necessary to delineate the route which I pursued during my last expedition.

I proceeded, at first, with deviations from the usual road wherever it appeared favourable for my pursuits, to Futter's Range, which rears, like some other granitic mountains in its vicinity, a host of very peculiar plants. Thence I directed my course to May Day Hills, from which place I advanced, after a brief stay, to the Buffalo Ranges, where I ascended Mount Aberdeen and another peak more than 4,000 feet high, and examined the rich, almost tropical, vegetation which borders the rivers rising in these mountains. It was in this locality that our exertions were rewarded with the discovery of the high, majestic *Grevillea Victoriae*, and other rarities. Indications of gold have been observed here, as well as in some parts of Gipps' Land which I subsequently visited. The Superintendent of the Melbourne Botanic Gardens, who was engaged during this part of the journey in collecting seeds, here parted from me, being obliged to return homeward to resume his duties at the Botanic Gardens.

As Mount Aberdeen offered hardly any plants of a true Alpine character, I resolved to ascend Mount Buller, whose summits, at an elevation of more than 5,000 feet, are covered throughout the greater part of the year with snow. Travelling quite alone since leaving the Buffalo Ranges, the ascent was not accomplished without considerable danger. But I was delighted to observe here, for the first time, this continent's Alpine vegetation, which in some degree presented itself as analogous with the Alpine Flora of Tasmania (*Ranunculus Gunnianus*, *Euryomyrtus alpina*, *Celmisia astelifolia*, *Gentiana Diemensis*, *Podocarpus montana*, *Trisetum antarcticum*, &c.), and which was also by no means destitute of its own peculiar species (*Phebalium podocarpoides*, *Goodenia cordifolia*, *Hovea gelida*, *Oxylobium alpestre*, *Brachycome nivalis*, *Anisotome glacialis*, &c.) Remarkably enough, only one of these exhibits any similarity to the singular subalpine forms discovered by Sir Thomas Mitchell on the Australian Grampians. Mount Buller had never before been scientifically explored; and Mount Aberdeen, up to this time, had not even been ascended.

After some other less elevated mountains in the neighbourhood had been also botanically examined, I resumed my journey along the Goulburn River and some of its tributaries to the King Parrot Creek, where I crossed the Yarra Ranges. The unusually heavy rainfall in the autumn would have frustrated any attempt to reach, as I then contemplated, the Alpine mountains of Gipps' Land, and I considered it therefore more advisable, at the already advanced season, to devote my time rather to the examination of the maritime plants which are in an almost equal state of development throughout the year.

I went, accordingly, for some distance along the La Trobe River, to the south-eastern coast of Gipps' Land, passing some rich ravines, luxuriantly filled with two species of fern tree, *Alsophila Australis* and *Dicksonia antarctica*; the former of which seemingly never accompanies the *Dicksonia* far inland, but remains in those vallies which slope towards the sea. Notwithstanding these geographical limits, the *Alsophila*, occupying generally the drier localities on the hills, recommends itself better for transplanting.

After several weeks' travelling in the neighbourhood of Port Albert, and many excursions through Wilson's Promontory, I quitted Gipps' Land, returning homeward along the coast.

This journey, the lines of which extended over more than 1,500 miles, enriched my collections formed during the spring so far that they comprise probably now more than half the indigenous vegetation of this Colony. For, according to the Index which I have annexed, including also several plants discovered previously by Sir Thomas Mitchell and by His Excellency the Lieutenant Governor, there are known to me now already 715 species of Dicotyledoneæ, belonging to 286 genera and 83 natural orders; 201 species of Monocotyledoneæ, comprehending 100 genera and 21 natural orders; and 47 Ferns, containing 27 genera. About fifty other species, however, which I have not included in this general account, are not yet so exactly examined as to receive their true systematic position, and are consequently not enumerated in the list; while fifty others, not indigenous, but introduced species (marked with \*), are likewise not taken into account, although they are not only naturalized beyond the possibility of extirpation, but even overpower the more tender indigenous plants. I regret that I was also obliged to omit from this Index all the lower Acotyledoneæ (Mosses, Lichenastra, Lichens, Algæ, and Fungi), to the amount of at least 200 species, of which I could examine this winter too few to display them in a systematic arrangement. The full amount of species, therefore, considerably exceeds 1,100, belonging, with exclusion of the above-mentioned Acotyledoneæ and the foreign plants, to no less than 430 genera and 108 natural orders—proportions which far surpass those of Western Australia, where more than twice this number of species (according to the collections of Dr. Preiss) are only divided into exactly the same number of genera already discovered here (430), and only into 91 families.

The Index might have been increased without difficulty to a two-fold number of names; but through a long-continued examination of the Australian plants in a living state, I had the advantage of learning how great is the uncertainty of many characteristics, which are deemed, even by our greatest authorities in science, sufficient for distinction. According to the annexed enumeration, the proportion of the Dicotyledoneæ to the Monocotyledoneæ will be found, for that part of the country over which my investigations this year extended, nearly as seven to two, and corresponds, therefore, exactly with the position which these great divisions of the vegetable kingdom hold to each other in South Australia up to the thirty-fourth degree south latitude (as shown in my observations on the South Australian Flora, lately read before the Linnean Society in London), and holds, likewise, the mean between the proportions ascertained by Robert Brown for Van Diemen's Land and New South Wales; while in Western Australia, as well as in South Australia, including the country there to the thirty-first degree south latitude, the number of the Dicotyledoneæ exceeds in the proportion of nine to two that of the Monocotyledoneæ.

The Cryptogamic plants, however, favoured by a more humid atmosphere, are twice as numerous in our province as in the last-mentioned Colonies, being about equal to a third of the Dicotyledoneæ.

Excluding all Cryptogamic plants, not less than 200 species, as testified by the Index, are proved to be as yet undescribed. Some of these occurred to me in South Australia; and the descriptions of several others will probably find a place in Dr. J. Hooker's forthcoming "FLORA OF VAN DIEMEN'S LAND."





These novelties enabled me already to establish seven new genera (*Pseudomorus*, *Basileophyta*, *Phæolcuca*, *Tetrachaeta*, *Minuranthus*, *Psoraleopsis*, and *Rhytidosporum*).

The descriptions, not only of almost all the new plants, but also critical notes and observations on the phytogeographical range of the species already known, will be forwarded to Sir William Hooker before my departure for the interior, and will afterwards constitute, together with the scientific elucidations of such plants as may be added during the ensuing season from the yet botanically unexplored districts, the foundation of "THE FLORA OF VICTORIA."

That the vegetation of the southern parts of our province accords greatly with the Tasmanian Flora may be demonstrated by the fact that more than half of all the enumerated species are known to inhabit Van Diemen's Land, amongst them many of great interest, which had been considered as belonging exclusively to that island, some adding even new genera to the Flora of New Holland (*Fagus Cunninghamii*, *Bauera Billardieri*, *Tasmania aromatica*, *Weinmannia biglandulosa*, *Pleurandra monadelphica*, *Ranunculus Gunnianus*, *Capsella Australis*, *Pittosporum bicolor*, *Rhytidosporum procumbens*, *Rhytidosporum Stuartianum*, *Boronia dentigera*, *Eriostemon verrucosus*, *Corræa Backhousiana*, *Meionectes Brownii*, *Bossiaea horizontalis*, *Brachycome decipiens*, *Celmisia astelifolia*, *Scaevola Hookeri*, *Monotoca lineata*, *Lissanthe montana*, *Lissanthe ciliata*, *Prostanthera rotundifolia*, *Myosotis suaveolens*, *Wilsonia Backhousii*, *Gentiana Diemensis*, *Sebæa albidiflora*, *Hakea microcarpa*, *Podocarpus montana*, *Phyllanthus Gunnii*, *Micranthea hexandra*, *Diplarrhena Moræa*, *Uncinia tenella*, *Triodontium Tasmanicum*, and a great number of ferns.

No numerical comparison with the Flora of South Australia and New South Wales has been instituted, as those localities are not sufficiently examined which bear, perhaps, in this respect, as great a resemblance to the adjacent Colonies as the southern tract of this province bears to Van Diemen's Land.

Still, there remains yet a considerable number of plants which impress on our vegetation a type of peculiarity; and I may be permitted, for this reason, to call attention to our remarkable species of *Panax*, resembling mainly those of the Molluccas; to *Trigonella suavissima*, as the only Australian clover; to the species of *Psoralea* and to *Crantzia*, as connecting links with the American Flora; to *Pseudomorus Australasica*, the indigenous mulberry tree; to *Myrsine Howittiana*, nearer connected with the New Zealand species than with those of New South Wales; and to the Alpine *Anisotome glacialis*, as a genus from Auckland and Campbell's Islands.

With regard to the Phytogeographia of this country, it may be deemed worthy of notice that, in the arid steppes beyond the Glenelg River, the vegetation undergoes a remarkable change, and a large number of such plants as are common to Victoria, New South Wales, and Van Diemen's Land, cease to exist, not even re-appearing farther to the westward, where the physical character of the country assumes once more equality or similarity to the eastern provinces. Others, again, extend the geographical limits of certain genera or species which we thought to belong entirely to Western Australia: thus, for instance, *Thomasia petalocalyx* and *Coleostylis Preissii* range to the 148th meridian.

It may also be worthy of remark, that the order of Leguminosæ prevails decidedly here, as in Western Australia, over all others; and that the Compositæ, far exceeding in South Australia, and almost throughout the world, any other groups, rank here as the second order. Both, taken together, show such eminent richness as to comprise nearly a fourth of all Dicotyledonar plants. The most predominant natural orders exhibit here, with regard to their number of species, the following series:—Leguminosæ, Compositæ, Myrtaceæ, Algæ, Filices, Cyperoideæ, Gramineæ, Musci, Proteaceæ, Orchideæ, Epacrideæ, Fungi, Umbelliferæ, Diosmeæ, Liliaceæ, Lichenes, Labiatæ, Goodeniaceæ, Scrophularinæ, and Salsolaceæ.

Finally, and perhaps as to the most important point of my researches, I have to reflect upon the practical usefulness of our vegetable creation, either with regard to medicine, manufactures, or in a domestic point of view.

The inestimable truth, that we may safely deduct the closest affinities of the medicinal properties of plants from their natural alliances—a truth which achieved the most complete triumph of the natural system over all artificial classifications—has generally guided me in tracing out which plants might be administered in medicine. By this guidance I observed, that our *Pimeleæ* are pervaded by that acridity for which the bark of *Daphne Mezereum* is employed; that our *Polygala veronica*, the only described Australian species of a large genus, and in close relation to one lately discovered in the Chinese empire, not only agrees, like some kinds of *Comesperma*, with the Austrian *Polygala amara*, in those qualities for which that plant has been administered in consumption, but also participates in the medicinal virtue of *Polygala senega*, from North America. *Gratiola latifolia* and *Gratiola pubescens*, *Convolvulus erubescens*, and the various kinds of *Mentha*, are not inferior to similar European species. The bark of *Tasmania aromatica* appears to me to possess the medicinal power of the *Wintera* bark, gathered from a similar tree in *Tierra del Fuego*; and its fruit is allied to that of the North American *Magnoliæ* used in cases of rheumatism and intermittent fever. The whole natural order of *Goodeniaceæ*, with the exception, perhaps, of a few species, contains a tonic bitterness never recognised before, and discernible in many plants in so high a degree, that I was induced, for this reason, to bestow upon a new genus from the interior the name of *Picrophyta*; this property, which indicates a certain alliance to *Gentianeæ*, deserves the more consideration, as the true *Gentianeæ* are so sparingly distributed through Australia, while the *Goodeniaceæ* form everywhere here a prominent feature in the vegetation. Our Alps, however, enrich us also with a thick-rooted *Gentian* (*G. Diemensis*), certainly as valuable as the officinal *Gentiana lutea*; and in the spring, *Sabæa ovata*, *Sabæa albidiflora*, and *Erythræa Australis*, might also be collected on account of their bitterness. The bark of the Australian *Sassafras* tree (*Atherospermum moschatum*) has already obtained some celebrity as a substitute for tea;—administered in a greater concentration, it is diaphoretic, as well as diuretic, and has for this reason already been practically introduced into medicine by one of our eminent physicians. *Isotoma axillaris* surpasses all other indigenous *Lobeliaceæ* in its intense acridity, and can be therefore only cautiously employed instead of *Lobelia inflata*. The root of *Malva Behriana* scarcely differs from that of *Althæa officinalis*, and the *Salep* root might be collected from many *Orchideæ*. Few may be aware that the *Cajeput* oil of India is obtained from trees very similar to our common *Melaleucæ*; and that even from the leaves of the *Eucalypti* an oil can be procured of equal utility. The *Sandarac*, exuding from the *Callitris* or *Pine* tree, the balsamic resin of the grass trees, and, moreover, the *Eucalyptus* gum, which could be gathered in boundless quantities, and which for its astringent qualities might here at least supersede the use of *kino* or *catechu*, will probably at a future period form articles of export.

Several *Acaciæ* are of essential service, either for their durable wood, or for the abundance of tannin in their bark, which has rendered them already useful, or for their gum; but the latter is even excelled in clearness and solubility by that obtained from *Pittosporum acacioides*. This species, as well as many other plants of the same order, is distinguished by a surprising yet apparently harmless bitterness—a quality that warrants our expecting considerable medicinal power, and which deserves so much more attention, as till now we know nothing of the usefulness of the *Pittosporæ*, although this order extends over a great part of the eastern hemisphere.

The Australian *Manna* consists in a saccharine secretion, condensed chiefly by the cicades from a few species of *Eucalypti*, but is chemically very differently constituted to the *Ornus Manna*, and much less aperient. All our splendid *Diosmeæ*—a real ornament to the country—approach more or less in their medicinal effect to the South African *Bucco*-bushes.







*Baeckea utilis*, from Mount Aberdeen, might serve travellers in those desolate localities as tea, for the volatile oil of its leaves resembles greatly in taste and odour that of lemons—not without a pleasant, peculiar aroma. *Trigonella suavissima* proved valuable as an antiscorbutic spinage in Sir Thomas Mitchell's expedition; and the *Tetragonella implexicoma*, the various *Cardamines*, *Nasturtium terrestre*, or *Lawrenzia spicata*, may likewise be used for the same purpose. The root of *Scorzonera Lawrencii*—a favourite food of the natives—would form, if enlarged by culture, an agreeable substitute for *Scorzonera Hispanica*, or Asparagus; and *Anistome glacialis*—a large-rooted umbelliferous plant, from the snowy top of Mount Buller—will be added, perhaps, hereafter, to the culinary vegetables of the colder climates. Seeds of the latter plants, amongst many others, have been procured for the Botanic Gardens. *Santalum lanceolatum*, *Mesembryanthemum æquilaterale*, *Leptomeria pungens*, and *Leptomeria acerba*, deserve notice for their agreeable fruit.

It would lead too far to enumerate the numerous modest, but lovely, or even the more attractive ornamental plants, which will no doubt hereafter contribute to adorn the gardens here and at home. Still, in a general sketch of our vegetation, I ought not to pass unmentioned, in this regard, the magnificent *Grevillea Victoriæ*; the splendid parasite of the Fern tree, *Basileophyta Friderici Augusti*, on which the name of the royal botanist has been bestowed; and the grand *Corræa Latrobeana*,—three of the most gorgeous plants discovered during my last expedition.

In accordance with His Excellency's instructions, a collection of dried specimens of plants has been commenced for the Government. This Herbarium will be at all times accessible to the public, and will hereafter contribute, I trust, to diffuse, more and more, knowledge of our vegetable world, and excite lovers of natural science to assist in my investigations. I began to form, at the same time, a similar collection for the Royal Gardens at Kew.

I am happy to report that the Botanic Gardens are in a very prosperous state, and that the establishment does great honour to the able management of its Superintendent. The addition of a large greenhouse, which His Excellency has been pleased to sanction, upon the recommendation of the Committee, will be most useful as a receptacle for tropical productions; and a considerable piece of ground has been prepared, this year, to rear all the seeds which have lately been collected for the garden, or which were liberally presented.

The Committee deemed it also desirable that an iron foot-bridge for crossing the Yarra should be procured from home, to afford an easier access to the Garden for the inhabitants of the eastern part of Melbourne; and by this means the number of visitors—already (chiefly on Sundays) very considerable—will, doubtless, greatly increase.

I trust, therefore, that the Botanic Gardens, as an establishment so desirable for the diffusion of knowledge, for the experimental introduction of foreign plants into our adopted country, or for multiplying the treasures which our own Flora offers, and as a healthy locality for recreation, will continue to receive the support of the Government and the Legislature; and I hope that, by still further extending the communications of this establishment with the Botanical Gardens of other countries, we shall succeed in keeping pace with the general advance of this great and flourishing country.

I have the honor to be,

Sir,

Your most obedient and humble Servant,

DR. FERDINAND MUELLER,

*Government Botanist.*

The Honorable

The Colonial Secretary.







# SYSTEMATIC INDEX

## OF

# THE PLANTS OF VICTORIA,

WHICH WERE

COLLECTED AND EXAMINED BETWEEN SEPTEMBER, 1852, AND AUGUST, 1853,

BY

DR. FERDINAND MUELLER,

*Government Botanist.*

### Dicotyledoneæ.

#### THALAMIFLORÆ, CANDOLLE.

##### RANUNCULACEÆ, JUSSIEU.

<i>Clematis</i> , Linné	
<i>C. microphylla</i>	Candolle
<i>C. appendiculata</i>	Ferd. Mueller
<i>Ranunculus</i> , Linné	
<i>R. paucistamineus</i>	Tausch
<i>R. Gunnianus</i>	Hooker
<i>R. lappaceus</i>	Smith
<i>R. glabrifolius</i>	Hooker
<i>R. plebejus</i>	R. Brown
<i>R. rivularis</i>	Banks & Solander
<i>R. sessiliflorus</i>	R. Brown

##### DILLENIACEÆ, CANDOLLE.

<i>Pleurandra</i> , Labillardière	
<i>P. acicularis</i>	Labillardière
<i>P. stricta</i>	Candolle
<i>P. granitica</i>	Ferd. Mueller
<i>P. sericea</i>	R. Brown
<i>P. parviflora</i>	R. Brown
<i>P. monadelphæ</i>	Ferd. Mueller

<i>Hibbertia</i> , Andrews	
<i>H. pultenæiformis</i>	Ferd. Mueller
<i>H. virgata</i>	R. Brown
<i>H. angustifolia</i>	Salisbury
<i>H. fasciculata</i>	R. Brown
<i>H. minutifolia</i>	Ferd. Mueller

##### MAGNOLIACEÆ, CANDOLLE.

<i>Tasmania</i> , R. Brown	
<i>T. aromatica</i>	R. Brown

##### CRUCIFERÆ, JUSSIEU.

<i>Nasturtium</i> , R. Brown	
<i>N. terrestre</i>	R. Brown
<i>Cardamine</i> , Linné	
<i>C. stylosa</i>	Candolle
<i>C. dictyosperma</i>	Hooker
<i>C. laciniata</i>	Ferd. Mueller
<i>C. debilis</i>	Banks & Solander
<i>C. intermedia</i>	Hooker
<i>C. tenuifolia</i>	Hooker

A.—No. 26. c.

<i>Capsella</i> , Medicus	
<i>C. Australasica</i>	Ferd. Mueller
<i>C. pilosula</i>	Ferd. Mueller
<i>*C. Bursa pastoris</i>	Moench

<i>Sisymbrium</i> , Allioni	
<i>*S. officinale</i>	Scopoli

<i>Stenopetalum</i> , Brown	
<i>S. gratulatorium</i>	Ferd. Mueller

<i>Senebiera</i> , Persoon	
<i>*S. didyma</i>	Persoon

<i>Lepidium</i> , Linné	
<i>L. hyssopifolium</i>	Desvaux
<i>*L. ruderales</i>	Linné

##### HYPERICINÆ, CANDOLLE.

<i>Hypericum</i> , Linné	
<i>H. involutum</i>	Candolle

##### DROSERACEÆ, CANDOLLE.

<i>Drosera</i> , Linné	
<i>D. binata</i>	Labillardière
<i>D. pygmaea</i>	Candolle
<i>D. anagallidiflora</i>	Ferd. Mueller
<i>D. Whittakerii</i>	Planchon
<i>D. peltata</i>	Smith
<i>D. foliosa</i>	J. Hooker
<i>D. Planchonii</i>	J. Hooker

##### VIOLARINÆ, CANDOLLE.

<i>Hymenanchera</i> , Banks and Solander	
<i>H. Banksii</i>	Ferd. Mueller

<i>Erpetion</i> , Candolle	
<i>E. hederaceum</i>	Candolle
<i>E. cymbalaria</i>	Candolle
<i>E. spathulatum</i>	Candolle

<i>Viola</i> , Linné	
<i>V. betonicifolia</i>	Smith

<i>Pigea</i> , Candolle	
<i>P. floribunda</i>	Lindley

## POLYGALEÆ, JUSSIEU.

<i>Comesperma</i> , Labillardière	
C. volubile	Labillardière
C. linariæfolium	All. Cunningham
C. retusum	Labillardière
C. calymegum	Labillardière

<i>Polygala</i> , Linné	
P. veronica	Ferd. Mueller

## PITTOSPOREÆ, R. BROWN.

<i>Pittosporum</i> , Solander	
P. acacioides	All. Cunningham
P. bicolor	Hooker

<i>Bursaria</i> , Cavanilles	
B. spinosa	Cavanilles

<i>Rhytidosporum</i> , Ferd. Mueller	
R. procumbens	Ferd. Mueller
R. Stuartianum	Ferd. Mueller

<i>Billardiera</i> , Smith	
B. longiflora	Labillardière
B. brachyantha	Ferd. Mueller
B. finitima	Ferd. Mueller
B. cymosa	Ferd. Mueller

<i>Cheiranthra</i> , All. Cunningham	
C. linearis	All. Cunningham

## SAPINDACEÆ, JUSSIEU.

<i>Dodonaea</i> , Linné	
D. conferta	Don
D. salsolifolia	All. Cunningham
D. hirtella	Miquel

## ZYGOPHYLLÆ, JUSSIEU.

<i>Zygophyllum</i> , Linné	
Z. glaucum	Ferd. Mueller

## DIOSMEÆ, JUSSIEU.

<i>Zieria</i> , Smith	
Z. lanceolata	R. Brown

<i>Boronia</i> , Smith	
B. dentigera	Ferd. Mueller
B. pilonema	Labillardière
B. tetrathecoides	Candolle

<i>Phebalium</i> , Ventenat	
P. bilobum	Lindley
P. podocarpoides	Ferd. Mueller
P. asteriscophorum	Ferd. Mueller

<i>Eriostemon</i> , Smith	
E. pungens	Lindley
E. verrucosus	Ach. Richard

<i>Correa</i> , Smith	
C. alba	Andrews
C. latrobeana	Ferd. Mueller
C. ochroleuca	Ferd. Mueller
C. virens	Smith
C. glabra	Lindley
C. pulchella	Mackay
C. cordifolia	Lindley
C. backhousiana	Hooker
C. cardinalis	Ferd. Mueller
C. æmula	Ferd. Mueller

## TREMANDREÆ, R. BROWN.

<i>Tetradlea</i> , Smith	
T. ciliata	Lindley
T. baueræfolia	Ferd. Mueller
T. pilosa	Labillardière
T. glandulosa	Labillardière

## BUETTNERIACEÆ, R. BROWN.

<i>Thomasia</i> , Gay	
T. petalocalyx	Ferd. Mueller

<i>Lasiopetalum</i> , Smith	
L. Baueri	Steetz
L. dasyphyllum	Sieber

<i>Rulingia</i> , R. Brown	
R. rugosa	Steetz

## MALVACEÆ, R. BROWN.

<i>Lawrenzia</i> , Hooker	
L. spicata	Hooker

<i>Sida</i> , Linné	
S. corrugata	Lindley
S. pulchella	Bonpland

<i>Malva</i> , Linné	
M. Behriana	Schlechtendal
*M. vulgaris	Fries
*M. borealis	Wallmann

## GERANIACEÆ, CANDOLLE.

<i>Geranium</i> , Linné	
G. potentilloides	L'Heritier
G. pilosum	Forster

<i>Erodium</i> , L'Heritier	
E. cygnorum	Nees
*E. moschatum	L'Heritier

<i>Pelargonium</i> , L'Heritier	
P. australe	Willdenow
P. Rodneyanum	Mitchell

## LINEÆ, CANDOLLE.

<i>Linum</i> , Linné	
L. marginale	All. Cunningham

## OXALIDEÆ, CANDOLLE.

<i>Oxalis</i> , Linné	
O. microphylla	Poiret

## STACKHOUSIACEÆ, R. BROWN.

<i>Stackhousia</i> , Smith	
S. monogyna	Labillardière

<i>Tripterococcus</i> , Endlicher	
T. spathulatus	Ferd. Mueller

## FRANKENIACEÆ, ST. HILAIRE.

<i>Frankenia</i> , Linné	
F. pauciflora	Candolle

## CARYOPHYLLÆ, JUSSIEU.

<i>Silene</i> , Linné	
*S. Gallica	Linné

<i>Dichoglottis</i> , Fischer and Meyer	
D. Australis	Schlechtendal

<i>Stellaria</i> , Linné	
S. pungens	Duperrey
S. multiflora	Hooker
S. pulvinaris	Ferd. Mueller
S. Australasica	Ferd. Mueller
S. flaccida	Hooker
*S. media	Villars

<i>Cerastium</i> , Linné	
*C. glomeratum	Thuillier

<i>Mollugo</i> , Linné	
M. Novo-Hollandica	Ferd. Mueller







<i>Sagina</i> , Linné * <i>S. apetala</i>	Linné	<i>Spergularia</i> , Persoon <i>S. marginata</i>	Kittel
<i>Polycarpon</i> , Loeffling <i>P. alsinifolium</i>	Candolle	ELATINEÆ, CAMBESSEDES.	
<i>Spergula</i> , Linné * <i>S. arvensis</i>	Linné	<i>Elatine</i> , Linné <i>E. gratioloides</i>	All. Cunningham

## CALYCIFLORÆ, CANDOLLE.

CRASSULACEÆ, CANDOLLE.		EUPHORBACEÆ, JUSSIEU.	
<i>Tillæa</i> , Micheli <i>T. verticillaris</i> <i>T. purpurata</i> <i>T. macrantha</i> <i>T. Stuartii</i>	Candolle J. Hooker J. Hooker Ferd. Mueller	<i>Euphorbia</i> , Linné <i>E. chamæscoides</i> <i>Ricnocarpus</i> , Desfontaines <i>R. sidaformis</i> <i>Trachycarpon</i> , Klotzsch <i>T. Klotzschii</i> <i>Beyera</i> , Miquel <i>B. ledifolia</i> <i>Amperea</i> , Adr. Jussieu <i>A. cuneifolia</i> <i>Phyllanthus</i> , Swartz <i>P. Gunnii</i> <i>P. hirtellus</i> <i>P. Fuernrohrrii</i> <i>Micranthea</i> , Desfontaines <i>M. hexandra</i> <i>Poranthera</i> , Rudge <i>P. microphylla</i>	Ferd. Mueller Ferd. Mueller Ferd. Mueller Klotzsch Ferd. Mueller J. Hooker Ferd. Mueller Ferd. Mueller J. Hooker Brongniart
PORTULACEÆ, JUSSIEU.		RHAMNACEÆ, R. BROWN.	
<i>Claytonia</i> , Linné <i>C. Australasica</i> <i>Calandrinia</i> , Humboldt <i>C. calyptrata</i> <i>C. pygmaea</i> <i>Tetragonella</i> , Miquel <i>T. implexicoma</i>	J. Hooker Ferd. Mueller Ferd. Mueller	<i>Pomaderris</i> , Labillardière <i>P. oraria</i> <i>P. apetala</i> <i>P. elliptica</i> <i>P. subrepanda</i> <i>P. phyllofolia</i> <i>Trymalium</i> , Fenzl <i>T. brevifolium</i> <i>T. parvifolium</i> <i>Cryptandra</i> , Smith <i>C. tomentosa</i> <i>C. divaricata</i> <i>C. spinescens</i> <i>Discaria</i> , Hooker <i>D. Australis</i>	Ferd. Mueller Labillardière Labillardière Ferd. Mueller Fenzl Reisseck Ferd. Mueller Lindley Reisseck Sieber Hooker
MESEMBRYANTHEMÆ, FENZL.		MYRTACEÆ, R. BROWN.	
<i>Mesembryanthemum</i> , Linné <i>M. æquilaterale</i> <i>M. Australe</i> <i>M. sermentosum</i>	Haworth Aiton Haworth	<i>Gnetollylis</i> , Candolle <i>G. alpestris</i> <i>Paryphantha</i> , Schauer <i>P. Mitchelliana</i> <i>Calycothrix</i> , Labillardière <i>C. glabra</i> <i>C. scabra</i> <i>Schidiomyrtus</i> , Schauer <i>S. micrantha</i> <i>Baeckea</i> , Linné <i>B. crassifolia</i> <i>B. utilis</i> <i>Euryomyrtus</i> , Schauer <i>E. alpina</i> <i>Camphoromyrtus</i> , Schauer <i>C. crenulata</i>	Lindley Reisseck Sieber Schauer Schauer Ferd. Mueller Ferd. Mueller
HALORAGÆ, R. BROWN.		CERATOPHYLLÆ, GRAY.	
<i>Haloragis</i> , Forster <i>H. tetragyna</i> <i>H. teucrioides</i> <i>H. dimorpha</i> <i>H. elata</i> <i>H. muricata</i> <i>H. rotundifolia</i> <i>Meioneetes</i> , Brown <i>M. Brownii</i> <i>Myriophyllum</i> , Linné <i>M. variifolium</i> <i>M. heteromorphum</i>	R. Brown Schlechtendal Ferd. Mueller All. Cunningham Ferd. Mueller Ferd. Mueller J. Hooker J. Hooker Ferd. Mueller	<i>Ceratophyllum</i> , Linné <i>C. charaforme</i>	Ferd. Mueller
ONAGRÆ, JUSSIEU.		LYTHRARIÆ, JUSSIEU.	
<i>Epilobium</i> , Linné <i>E. Billardierianum</i> <i>Jussiaea</i> , Lamark <i>J. Australasica</i>	Seringe Ferd. Mueller	<i>Lythrum</i> , Linné <i>L. Salicaria</i>	Linné
CUNONIACEÆ, R. BROWN.		CERATOPHYLLÆ, GRAY.	
<i>Weinmannia</i> , Linné <i>W. biglandulosa</i> <i>Bauera</i> , Kennedy <i>B. Billardierii</i>	All. Cunningham Don		







<i>P. brachypoda</i>	Ferd. Mueller		
<i>P. Gunnii</i>	Bentham		
<i>P. stricta</i>	Sims		
<i>P. Benthami</i>	Ferd. Mueller		
<i>P. mucronata</i>	Ferd. Mueller		
<i>P. epacridea</i>	Ferd. Mueller		
<i>P. curvifolia</i>	Ferd. Mueller		
<i>P. pedunculata</i>	Hooker		
<i>P. mollis</i>	Lindley		
<i>P. angustifolia</i>	Ferd. Mueller		
<i>P. tenuifolia</i>	R. Brown		
<i>P. foliosa</i>	All. Cunningham		
<i>Bossiaea</i> , Ventenat			
<i>B. cinerea</i>	R. Brown		
<i>B. prostrata</i>	R. Brown		
<i>B. decumbens</i>	Ferd. Mueller		
<i>B. horizontalis</i>	Hooker		
<i>B. rosmarinifolia</i>	Lindley		
<i>Hovea</i> , Brown			
<i>H. linearis</i>	R. Brown		
<i>H. gelida</i>	Ferd. Mueller		
<i>Platylobium</i> , Smith			
<i>P. cordifolium</i>	Ferd. Mueller		
<i>P. macrocalyx</i>	Meisner		
<i>Melilotus</i> , Tournefort			
<i>*M. officinalis</i>	Desrousseaux		
<i>Trifolium</i> , Linné			
<i>*T. repens</i>	Linné		
<i>*T. procumbens</i>	Linné		
<i>*T. filiforme</i>	Linné		
<i>Trigonella</i> , Linné			
<i>T. suavissima</i>	Lindley		
<i>Medicago</i> , Linné			
<i>*M. sativa</i>	Linné		
<i>Lotus</i> , Linné			
<i>L. Australis</i>	Seringe		
<i>*L. tenuifolius</i>	Pollich		
<i>*L. corniculatus</i>	Linné		
<i>Psoralea</i> , Linné			
<i>P. tenax</i>	Lindley		
<i>P. ad-censens</i>	Ferd. Mueller		
<i>P. cinerea</i>	Lindley		
<i>Psoraleopsis</i> , Ferd. Mueller			
<i>P. simplicicaulis</i>	Ferd. Mueller		
<i>Clidanthera</i> , R. Brown			
<i>C. psoraleoides</i>	R. Brown		
<i>Indigofera</i> , Linné			
<i>I. Australis</i>	Willdenow		
<i>I. silvatica</i>	Sieher		
<i>I. signata</i>	Ferd. Mueller		
<i>Swainsona</i> , Salisbury			
<i>S. Greyana</i>	Lindley		
<i>S. lessertiaefolia</i>	Candolle		
<i>S. phacoides</i>	Bentham		
<i>S. miniata</i>	Ferd. Mueller		
<i>Vicia</i> , Linné			
<i>*V. angustifolia</i>	Roth		
<i>Ervum</i> , Linné			
<i>*E. hirsutum</i>	Linné		
<i>Desmodium</i> , Desvaux			
<i>D. Tasmanicum</i>	Ferd. Mueller		
<i>Zichya</i> , Bentham			
<i>Z. Latrobeana</i>	Meisner		
<i>Z. angustifolia</i>	Lindley		
<i>Hardenbergia</i> , Bentham			
<i>H. monophylla</i>	Bentham		
<i>Kennedya</i> , Ventenat			
<i>K. prostrata</i>	R. Brown		
A.—No. 26. d.			
UMBELLIFERÆ, JUSSIEU.			
<i>Hydrocotyle</i> , Tournefort			
<i>H. interrupta</i>	Muehlenberg		
<i>H. geranifolia</i>	Ferd. Mueller		
<i>H. cordifolia</i>	J. Hooker		
<i>H. capillaris</i>	Ferd. Mueller		
<i>H. pterocarpa</i>	Ferd. Mueller		
<i>H. tripartita</i>	R. Brown		
<i>H. muscosa</i>	R. Brown		
<i>H. hirta</i>	R. Brown		
<i>H. densiflora</i>	Candolle		
<i>Crantzia</i> , Nuttall			
<i>C. Australasica</i>	Ferd. Mueller		
<i>Trachymene</i> , Rudge			
<i>T. heterophylla</i>	Ferd. Mueller		
<i>T. crassifolia</i>	Bentham		
<i>T. myrtifolia</i>	Sieher		
<i>Didiscus</i> , Candolle			
<i>D. pilosus</i>	Bentham		
<i>Astrotricha</i> , Candolle			
<i>A. linearis</i>	All. Cunningham		
<i>A. asperifolia</i>	Ferd. Mueller		
<i>Xanthosia</i> , Rudge			
<i>X. dissecta</i>	J. Hooker		
<i>X. montana</i>	Sieher		
<i>X. pumosa</i>	Bentham		
<i>X. tridentata</i>	Candolle		
<i>Eryngium</i> , Tournefort			
<i>E. vesiculosum</i>	Labillardière		
<i>E. ovinum</i>	All. Cunningham		
<i>Helosciadium</i> , Koch			
<i>H. prostratum</i>	Bunge		
<i>H. parvum</i>	Ferd. Mueller		
<i>Sium</i> , Linné			
<i>S. latifolium</i>	Linné		
<i>Anisotome</i> , J. Hooker			
<i>A. glacialis</i>	Ferd. Mueller		
<i>Daucus</i> , Tournefort			
<i>D. brachiatus</i>	Sieher		
<i>Oreomyrrhis</i> , Endlicher			
<i>O. eriopoda</i>	Endlicher		
RUBIACEÆ, JUSSIEU.			
<i>Galium</i> , Scopoli			
<i>G. vagans</i>	J. Hooker		
<i>G. Gaudichaudi</i>	Candolle		
<i>G. Australe</i>	Candolle		
<i>Asperula</i> , Linné			
<i>A. Gunnii</i>	J. Hooker		
<i>A. conferta</i>	J. Hooker		
<i>A. scoparia</i>	J. Hooker		
<i>Opercularia</i> , Richard			
<i>O. caprosmodies</i>	Ferd. Mueller		
<i>O. ovata</i>	J. Hooker		
<i>O. varia</i>	J. Hooker		
<i>O. scabrida</i>	Schlechtendal		
<i>Pamax</i> , Solander			
<i>P. hirta</i>	Candolle		
<i>Caprosma</i> , Forster			
<i>C. microphylla</i>	All. Cunningham		
<i>C. hirtella</i>	Labillardière		
LORANTHACEÆ, DON.			
<i>Loranthus</i> , Linné			
<i>L. eucalyptoides</i>	Candolle		
<i>L. pendulus</i>	Sieher		
<i>L. miraculosus</i>	Miquel		
<i>L. canus</i>	Ferd. Mueller		
<i>L. Exocarpi</i>	Behr		
<i>L. Preissii</i>	Miquel		

## CAPRIFOLIACEÆ, JUSSIEU.

<i>Sambucus</i> , Linné	
S. <i>Gaudichaudiana</i>	Candolle

## ARALIACEÆ, JUSSIEU.

<i>Panax</i> , Linné	
P. <i>dendroides</i>	Ferd. Mueller
P. <i>Dallachii</i>	Ferd. Mueller
P. <i>paniculatus</i>	Ferd. Mueller
P. <i>angustifolius</i>	Ferd. Mueller

## COMPOSITÆ, VAILLANT.

<i>Celmisia</i> , Cassini	
C. <i>asteliifolia</i>	J. Hooker
<i>Eurybiopsis</i> , Candolle	
E. <i>Hookeri</i>	Ferd. Mueller
<i>Eurybia</i> , Cassini	
E. <i>axillaris</i>	Candolle
E. <i>linearifolia</i>	Candolle
E. <i>glutinosa</i>	Lindley
E. <i>glandulosa</i>	Candolle
E. <i>ramulosa</i>	Candolle
E. <i>lepidophylla</i>	Candolle
E. <i>ciliata</i>	Bentham
E. <i>decurrens</i>	Candolle
E. <i>Gunniana</i>	Candolle
E. <i>pimeloides</i>	Candolle
E. <i>myrsinoides</i>	Nees
E. <i>lirata</i>	Candolle
E. <i>argophylla</i>	Cassini
E. <i>scabra</i>	Bentham
E. <i>astrotricha</i>	Ferd. Mueller
E. <i>rugosa</i>	Ferd. Mueller
E. <i>megaphylla</i>	Ferd. Mueller
<i>Brachycome</i> , Cassini	
B. <i>diversifolia</i>	Fischer and Meyer
B. <i>multipartita</i>	Ferd. Mueller
B. <i>ciliaris</i>	Lessing
B. <i>pteroearpa</i>	Ferd. Mueller
B. <i>multicaulis</i>	Ferd. Mueller
B. <i>nivalis</i>	Ferd. Mueller
B. <i>leucanthemifolia</i>	Bentham
B. <i>heterodonta</i>	Candolle
B. <i>scapigera</i>	Candolle
B. <i>graminea</i>	Ferd. Mueller
B. <i>linearifolia</i>	Candolle
B. <i>decipiens</i>	J. Hooker
<i>Loganophora</i> , Cassini	
L. <i>Billardieri</i>	Cassini
L. <i>Gunniana</i>	Steetz
L. <i>pachyrrhiza</i>	Ferd. Mueller
<i>Calotis</i> , R. Brown	
C. <i>lasiocarpa</i>	Ferd. Mueller
<i>Solenogyne</i> , Cassini	
S. <i>bellioides</i>	Cassini
<i>Conyza</i> , Linné	
*C. <i>ambigua</i>	Candolle
<i>Siegesbeckia</i> , Linné	
S. <i>Orientalis</i>	Linné
<i>Gymnogyne</i> , Steetz	
G. <i>cotuloides</i>	Steetz
<i>Cotula</i> , Linné	
C. <i>coronopifolia</i>	Linné
<i>Strongylosperma</i> , Lessing	
S. <i>Australe</i>	Lessing
<i>Symphyonera</i> , J. Hooker	
S. <i>Filicula</i>	J. Hooker
<i>Leptinella</i> , Cassini	
L. <i>intricata</i>	J. Hooker
L. <i>longipes</i>	J. Hooker

<i>Myriogyne</i> , Lessing	
M. <i>minuta</i>	Lessing
M. <i>Cunninghami</i>	Candolle
<i>Maruta</i> , Cassini	
*M. <i>foetida</i>	Cassini
<i>Skirrhophorus</i> , Candolle	
S. <i>Fuerruhrii</i>	Ferd. Mueller
<i>Minuranthus</i> , Ferd. Mueller	
M. <i>gnaphaloides</i>	Ferd. Mueller
<i>Calocephalus</i> , Brown	
C. <i>lacteus</i>	Lessing
C. <i>citreus</i>	Lessing
<i>Leucophyta</i> , R. Brown	
L. <i>Brownii</i>	Lessing
<i>Craspedia</i> , Forster	
C. <i>Richea</i>	Cassini
C. <i>alpina</i>	J. Hooker
<i>Apalochlamys</i> , Cassini	
A. <i>Billardieri</i>	Candolle
<i>Cassinia</i> , R. Brown	
C. <i>lævis</i>	R. Brown
C. <i>aculeata</i>	R. Brown
<i>Hackeria</i> , Ferd. Mueller	
H. <i>ozothamnoides</i>	Ferd. Mueller
<i>Ozothamnus</i> , R. Brown	
O. <i>rotundus</i>	Ferd. Mueller
O. <i>obcordatus</i>	Candolle
O. <i>turbinatus</i>	Candolle
O. <i>ferrugineus</i>	Candolle
<i>Podotrocha</i> , Cassini	
P. <i>viscosa</i>	Ferd. Mueller
<i>Leptorrhynchus</i> , Lessing	
L. <i>squamatus</i>	Lessing
L. <i>elongatus</i>	Candolle
<i>Podolepis</i> , Labillardière	
P. <i>macrocephala</i>	Ferd. Mueller
P. <i>hieracioides</i>	Ferd. Mueller
<i>Tetrachata</i> , Ferd. Mueller	
T. <i>perennis</i>	Ferd. Mueller
<i>Pumila</i> , Schlechtendal	
P. <i>argyrolepis</i>	Schlechtendal
<i>Millotia</i> , Cassini	
M. <i>tenuifolia</i>	Cassini
M. <i>myosotidifolia</i>	Steetz
<i>Chrysocephalum</i> , Walpers	
C. <i>semipapposum</i>	Steetz
C. <i>flavissimum</i>	Steetz
<i>Phacoleuca</i> , Ferd. Mueller	
P. <i>obtusifolia</i>	Ferd. Mueller
<i>Helichrysum</i> , Gaertner	
H. <i>bracteatum</i>	Willdenow
H. <i>leucopsidium</i>	Candolle
H. <i>scorpioides</i>	Labillardière
H. <i>Gunnianum</i>	Hooker
<i>Helipterum</i> , Candolle	
H. <i>chionolepis</i>	Ferd. Mueller
H. <i>punctatum</i>	Candolle
H. <i>incanum</i>	Candolle
H. <i>brachyrrhynchum</i>	Sonder
<i>Gnaphalium</i> , Linné	
*G. <i>luteo-album</i>	Linné
G. <i>involutum</i>	Forster
G. <i>indutum</i>	J. Hooker







<i>Erechtites</i> , Rafinesque	
<i>E. glabrescens</i>	Candolle
<i>E. arguta</i>	Candolle
<i>E. hispidula</i>	Candolle
<i>E. macroglossa</i>	Ferd. Mueller
<i>Senecio</i> , Linné	
<i>S. Cunninghamsi</i>	Candolle
<i>S. odoratus</i>	Hornemann
<i>S. Macquariensis</i>	Candolle
<i>S. vagus</i>	Ferd. Mueller
<i>S. velleyoides</i>	All. Cunningham
<i>S. rupicola</i>	Lesson and Ach. Richard
<i>Bedfordia</i> , Candolle	
<i>B. salicina</i>	Candolle
<i>Cymbonotus</i> , Cassini	
<i>C. Lawsonianus</i>	Gaudichaud
<i>Cryptostemma</i> , R. Brown	
<i>*C. calendulaceum</i>	R. Brown
<i>Silybum</i> , Gaertner	
<i>*S. Marianum</i>	Gaertner
<i>Centaurea</i> , Linné	
<i>*C. solstitialis</i>	Linné
<i>Onopordon</i> , Linné	
<i>*O. Acanthium</i>	Linné
<i>Cynara</i> , Linné	
<i>*C. Scolymus</i>	Linné
<i>Hypochaeris</i> , Linné	
<i>*H. glabra</i>	Linné
<i>Taraxacum</i> , Weber	
<i>*T. officinale</i>	Weber
<i>Picris</i> , Linné	
<i>P. angustifolia</i>	Candolle
<i>Sonchus</i> , Linné	
<i>*S. oleraceus</i>	Linné
<i>*S. asper</i>	Villars
<i>Scorzonera</i> , Linné	
<i>S. Lawrencii</i>	J. Hooker
AMBROSIACEÆ, LINK.	
<i>Xanthium</i> , Tournefort	
<i>*X. spinosum</i>	Linné
BRUNONIACEÆ, BROWN.	
<i>Brunonia</i> , Smith	
<i>B. Australis</i>	Smith
GOODENIACEÆ, BROWN.	
<i>Dampiera</i> , R. Brown	
<i>D. stricta</i>	R. Brown
<i>Scævola</i> , Linné	
<i>S. suaveolens</i>	R. Brown
<i>S. æmula</i>	R. Brown
<i>S. Hookeri</i>	Ferd. Mueller
<i>S. pallida</i>	R. Brown
<i>S. spinescens</i>	R. Brown
<i>Selliera</i> , Cavanilles	
<i>S. herpystica</i>	Schlechtendal
<i>Goodenia</i> , Smith	
<i>G. humilis</i>	R. Brown
<i>G. ovata</i>	R. Brown
<i>G. geniculata</i>	R. Brown
<i>G. cordifolia</i>	Ferd. Mueller
<i>G. elongata</i>	Labillardière
<i>G. glauca</i>	Ferd. Mueller
<i>G. pinnatifida</i>	Schlechtendal

*Velleya*, Brown  
*V. paradoxa* R. Brown

## LOBELIACEÆ, JUSSIEU.

<i>Isotoma</i> , R. Brown	
<i>I. axillaris</i>	Lindley
<i>Laurentia</i> , Presl	
<i>L. hydrophila</i>	Ferd. Mueller
<i>L. intricata</i>	Ferd. Mueller
<i>L. platycalyx</i>	Ferd. Mueller
<i>Lobelia</i> , Linné	
<i>L. irrigua</i>	R. Brown
<i>L. pedunculata</i>	R. Brown
<i>L. gibbosa</i>	Labillardière
<i>L. simplicicaulis</i>	R. Brown
<i>L. anceps</i>	Thunberg

## CAMPANULACEÆ, DUBY.

<i>Wahlenbergia</i> , Schrader	
<i>W. gracilis</i>	Alph. Candolle
<i>W. quadrifida</i>	Alph. Candolle

## STYLIDEE, R. BROWN.

<i>Stylidium</i> , Swartz	
<i>S. graminifolium</i>	Swartz
<i>S. imundatum</i>	Brown
<i>Coleostylis</i> , Sonder	
<i>C. Preissii</i>	Sonder

## EPACRIDEÆ, R. BROWN.

<i>Stenanthera</i> , R. Brown	
<i>S. conostephoides</i>	Sonder
<i>Astroloma</i> , R. Brown	
<i>A. humifusum</i>	R. Brown
<i>A. denticulatum</i>	R. Brown
<i>Leucopogon</i> , R. Brown	
<i>L. Australis</i>	R. Brown
<i>L. affinis</i>	R. Brown
<i>L. Richei</i>	R. Brown
<i>L. astrolomoides</i>	Ferd. Mueller
<i>L. trichocarpus</i>	R. Brown
<i>L. virgatus</i>	R. Brown
<i>L. glacialis</i>	Lindley
<i>L. cordifolius</i>	Lindley
<i>Acrotriche</i> , Brown	
<i>A. serrulata</i>	R. Brown
<i>A. prostrata</i>	Ferd. Mueller
<i>Melichrus</i> , R. Brown	
<i>M. glaucifolius</i>	Ferd. Mueller
<i>Monotoca</i> , R. Brown	
<i>M. scoparia</i>	R. Brown
<i>M. lineata</i>	R. Brown
<i>Lissanthe</i> , R. Brown	
<i>L. subulata</i>	R. Brown
<i>L. montana</i>	R. Brown
<i>L. ciliata</i>	R. Brown
<i>L. Cunninghami</i>	Candolle
<i>L. Maccraei</i>	Ferd. Mueller
<i>Sprengelia</i> , Smith	
<i>S. incarnata</i>	Smith
<i>Epacris</i> , Cavanilles	
<i>E. impressa</i>	Labillardière
<i>E. pulchella</i>	Cavanilles
<i>E. lanuginosa</i>	Labillardière
<i>E. obtusifolia</i>	Smith
<i>E. tomentosa</i>	Lindley
<i>Lysinema</i> , R. Brown	
<i>L. epacrideum</i>	Ferd. Mueller

## COROLLIFLORÆ, CANDOLLE.

## MYRSINÆ, R. BROWN.

<i>Myrsine</i> , Linné	
M. Howittiana	Ferd. Mueller

## OLEINÆ, HOFFMANNSEGG AND LINK.

<i>Notelaea</i> , Ventenat	
N. ligustrina	Ventenat

## JASMINEÆ, R. BROWN.

<i>Jasminum</i> , Linné	
J. lineare	R. Brown

## MYOPORINÆ, R. BROWN.

<i>Myoporum</i> , Banks and Solander	
M. tuberculatum	R. Brown
M. insulare	R. Brown
M. pentandrum	Ferd. Mueller
M. humile	R. Brown

<i>Pholidia</i> , R. Brown	
P. scoparia	R. Brown

<i>Stenochilus</i> , R. Brown	
S. glaber	R. Brown
S. maculatus	Ker
S. longifolius	R. Brown

## VERBENACEÆ, JUSSIEU.

<i>Verbena</i> , Linné	
V. officinalis	Linné
<i>Avicennia</i> , Linné	
A. officinalis	Linné

## LABIATÆ, JUSSIEU.

<i>Lycopus</i> , Linné	
L. Australis	R. Brown

<i>Mentha</i> , Linné	
M. Australis	R. Brown
M. laxiflora	Bentham
M. gracilis	R. Brown
M. saturejoides	R. Brown

<i>Prunella</i> , Linné	
P. vulgaris	Linné

<i>Marrubium</i> , Linné	
*M. vulgare	Linné

<i>Scutellaria</i> , Linné	
S. humilis	R. Brown

<i>Prostanthera</i> , Labillardière	
P. lasianthos	Labillardière
P. rotundifolia	R. Brown
P. hirtula	Ferd. Mueller
P. westringiaformis	Ferd. Mueller
P. nivea	All. Cunningham

<i>Westringia</i> , Smith	
W. rigida	R. Brown
W. senifolia	Ferd. Mueller

<i>Teucrium</i> , Linné	
T. racemosum	R. Brown
T. corymbosum	R. Brown

<i>Ajuga</i> , Linné	
A. Australis	R. Brown

## BORRAGINÆ, R. BROWN.

<i>Myosotis</i> , Linné	
M. Australis	R. Brown
M. suaveolens	Poiret

<i>Cynoglossum</i> , Linné	
C. latifolium	R. Brown
C. Australe	R. Brown
C. suaveolens	R. Brown

## CONVOLVULACEÆ, JUSSIEU.

<i>Calyptegia</i> , R. Brown	
C. sepium	R. Brown

<i>Convolvulus</i> , Linné	
C. erubescens	Sims

<i>Dichondra</i> , Forster	
D. repens	Forster

<i>Cressa</i> , Linné	
C. Cretica	Linné

<i>Wilsonia</i> , Brown	
W. Backhousii	J. Hooker
W. rotundifolia	Hooker

<i>Cuscuta</i> , Linné	
C. Australis	R. Brown

## BIGNONIACEÆ, R. BROWN.

<i>Tecoma</i> , Jussieu	
T. latrobei	Ferd. Mueller

## APOCYNÆ, R. BROWN.

<i>Lyonsia</i> , Brown	
L. straminea	R. Brown

<i>Alyxia</i> , Banks	
A. buxifolia	R. Brown

## LOGANIACEÆ, ENDLICHER.

<i>Logania</i> , R. Brown	
L. revoluta	R. Brown
L. elliptica	R. Brown

## GENTIANÆ, JUSSIEU.

<i>Gentiana</i> , Linné	
G. Diemensis	Griesbach

<i>Sebaea</i> , R. Brown	
S. ovata	R. Brown
S. albidiflora	Ferd. Mueller

<i>Erythraea</i> , Rencalm	
E. Australis	R. Brown

<i>Villarsia</i> , Ventenat	
V. parnassifolia	R. Brown

<i>Mitrasacme</i> , Labillardière	
M. paradoxa	R. Brown

## SOLANACEÆ, JUSSIEU.

<i>Solanum</i> , Linné	
S. nigrum	Linné
S. laciniatum	R. Brown
S. Hystrix	R. Brown
*S. Sodomæum	Linné

<i>Nicotiana</i> , Linné	
N. suaveolens	Lehmann

<i>Datura</i> , Linné	
*D. Tatula	Linné

## ACANTHACEÆ, R. BROWN.

<i>Basileophyta</i> , Ferd. Mueller	
B. Friderici Augusti	Ferd. Mueller





## SCROPHULARINÆ, R. BROWN.

<i>Mimulus</i> , Linné	
M. repens	R. Brown
<i>Mazus</i> , Loureiro	
M. Pumilio	R. Brown
<i>Gratiola</i> , Linné	
G. latifolia	R. Brown
G. pubescens	R. Brown
<i>Glossostigma</i> , Arnott	
G. Drummondii	Bentham
<i>Veronica</i> , Linné	
V. perfoliata	R. Brown
V. labiata	R. Brown
V. notabilis	Ferd. Mueller
V. calycina	R. Brown
V. flagelligera	Ferd. Mueller
V. gracilis	R. Brown
*V. peregrina	Linné

## LENTIBULARINÆ, RICHARD.

<i>Utricularia</i> , Linné	
U. Australis	R. Brown
U. lilacina	Ferd. Mueller
U. linearifolia	Benjamin

## PRIMULACEÆ, VENTENAT.

<i>Samolus</i> , Tournefort	
S. litoralis	R. Brown
<i>Anagallis</i> , Linné	
*A. phœnicea	Lamark
*A. cœrulea	Schreber

## PLUMBAGINÆÆ, JUSSIEU.

<i>Statice</i> , Linné	
S. Australis	Sprengel

## PLANTAGINÆÆ, VENTENAT.

<i>Plantago</i> , Linné	
P. varia	R. Brown
P. debilis	R. Brown
*P. lanceolata	R. Brown
*P. Coronopus	R. Brown

## MONOCHLAMYDEÆ, CANDOLLE.

## NYCTAGINÆÆ, JUSSIEU.

<i>Barbavia</i> , Linné	
B. mutabilis	R. Brown

## LAURINÆÆ, JUSSIEU.

<i>Cassya</i> , Linné	
C. glabella	R. Brown
C. pubescens	R. Brown
C. melantha	R. Brown
C. extensa	Ferd. Mueller

## PROTEACEÆ, R. BROWN.

<i>Persoonia</i> , Smith	
P. ferruginea	Smith
P. rigida	R. Brown
P. juniperina	Labillardière
P. suffruticosa	Ferd. Mueller

<i>Isopogon</i> , R. Brown	
I. Ceratophyllus	R. Brown

<i>Grevillea</i> , R. Brown	
G. Victoriae	Ferd. Mueller
G. trisecta	Ferd. Mueller
G. Latrobei	Meisner
G. lavandulacea	Schlechtendal
G. oreophila	Ferd. Mueller
G. Dallachiana	Ferd. Mueller
G. chrysophæa	Ferd. Mueller
G. parviflora	R. Brown
G. alpina	Lindley
G. variabilis	Lindley
G. Aquifolium	Lindley
G. induta	Ferd. Mueller
G. ilicifolia	R. Brown
G. repens	Ferd. Mueller

<i>Lomatia</i> , R. Brown	
L. longifolia	R. Brown
L. ilicifolia	R. Brown
L. Fraseri	R. Brown

<i>Hakea</i> , Schrader	
H. semiplana	Ferd. Mueller
H. parilis	Knight and Salisbury
H. brachyrrhyncha	Ferd. Mueller
H. rostrata	Ferd. Mueller
H. microcarpa	R. Brown
H. ulicina	R. Brown

<i>Banksia</i> , Linné, jun.	
B. Australis	R. Brown
B. verticillata	R. Brown
B. integrifolia	Linné, jun.
B. serrata	Linné, jun.
B. prionophylla	Ferd. Mueller

## THYMELEÆ, JUSSIEU.

<i>Pimelia</i> , Banks and Solander	
P. elata	Ferd. Mueller
P. linifolia	Smith
P. glauca	R. Brown
P. humilis	R. Brown
P. flava	R. Brown
P. serpillifolia	R. Brown
P. elachantha	Ferd. Mueller
P. curviflora	R. Brown
P. octophylla	R. Brown
P. phyllicoides	Meisner
P. distinctissima	Ferd. Mueller
P. axiflora	Ferd. Mueller

## AMARANTHACEÆ, JUSSIEU.

<i>Trichinium</i> , R. Brown	
T. spatulatum	R. Brown
T. lanatum	Lindley
T. Wehlium	Ferd. Mueller
T. pachcephalum	Moquin

<i>Alternanthera</i> , Forskael	
A. denticulata	R. Brown

<i>Hemichroa</i> , Brown	
H. pentandra	R. Brown

## SALSOLACEÆ, JUSSIEU.

<i>Rhagodia</i> , Brown	
R. nutans	R. Brown
R. Billardieri	R. Brown
R. hastata	R. Brown
R. angustifolia	Ferd. Mueller

<i>Chenopodium</i> , Linné	
C. ambiguum	R. Brown
C. erosum	R. Brown
C. microphyllum	Ferd. Mueller

<i>Blitum</i> , Linné	
B. glandulosum	Moquin
B. carinatum	Moquin

*Atriplex*, Linné  
*A. cinereum* Poiret  
*A. paludosum* R. Brown  
*A. semibaccatum* R. Brown

*Threlkeldia*, R. Brown  
*T. diffusa* R. Brown

*Enchylana*, R. Brown  
*E. tomentosa* R. Brown

*Halocnemum*, Bieberstein  
*H. Australasicum* Moquin

*Arthrocnemum*, Moquin  
*A. Arbuscula* Moquin

*Chenopodina*, Moquin  
*C. Australis* Moquin

POLYGOÑÆ, JUSSIEU.

*Polygonum*, Linné  
*P. junceum* Meisner  
*P. prostratum* R. Brown  
*P. minus* Hudson  
*P. glandulosum* R. Brown  
*P. subsessile* R. Brown  
*P. gracile* R. Brown  
*P. strigosum* R. Brown  
*\*P. aviculare* Linné

*Muehlenbeckia*, Meisner  
*M. appressa* Meisner  
*M. complexa* Meisner

*Rumex*, Linné  
*R. Brownii* Campdera  
*R. Drummondii* Meisner  
*\*R. crispus* Linné  
*\*R. Acetosella* Linné

PHYTOLACÆÆ, R. BROWN.

*Gyrostemon*, Desfontaines  
*G. acaciiformis* Ferd. Mueller

SANTALACÆÆ, JUSSIEU.

*Leptomeria*, R. Brown  
*L. pungens* Ferd. Mueller  
*L. acerba* Ferd. Mueller

*Choretrum*, R. Brown  
*C. lateriflorum* R. Brown

*Santalum*, Linné  
*S. persicarium* Ferd. Mueller  
*S. Preissianum* Miquel.

*Exocarpus*, Labillardière  
*E. cupressiformis* Labillardière  
*E. stricta* R. Brown

*Thesium*, Linné  
*T. Australe* R. Brown

CALLITRICHINÆÆ, LINK.

*Callitriche*, Linné  
*C. platycarpa* Kuetzing  
*C. vernalis* Kuetzing

URTICÆÆ, JUSSIEU.

*Urtica*, Linné  
*U. Tasmanica* Ferd. Mueller  
*\*U. urens* Linné  
*\*U. dioica* Linné

*Parietaria*, Linné  
*P. squalida* J. Hooker

MORÆÆ, ENDLICHER.

*Pseudomorus*, Ferd. Mueller  
*P. Australasica* Ferd. Mueller

ATHEROSPERMÆÆ, R. BROWN.

*Atherosperma*, Forster  
*A. moschatum* Forster

CASUARINÆÆ, MIRBEL.

*Casuarina*, Rumph  
*C. leptoclada* Miquel  
*C. quadrivalvis* Labillardière  
*C. rigida* Miquel  
*C. pumila* Otto and Dietrich

CASTANÆÆ, ADANSON.

*Fagus*, Linné  
*F. Cunninghami* Hooker

CONIFERÆÆ, JUSSIEU.

*Callitris*, Ventenat  
*C. pyramidalis* Sweet  
*C. Preissii* Miquel

TAXINÆÆ, RICHARD.

*Podocarpus*, L'Heritier  
*P. montana* Hooker

Monocotyledoneæ.

ORCHIDÆÆ, JUSSIEU.

*Thelymitra*, Forster  
*T. grandis* Ferd. Mueller  
*T. pauciflora* R. Brown

*Diuris*, Smith  
*D. maculata* Smith  
*D. aurea* Smith  
*D. sulphurea* R. Brown

*Orthoceras*, R. Brown  
*O. strictum* R. Brown

*Cryptostylis*, R. Brown  
*C. longifolia* R. Brown

*Prasophyllum*, R. Brown  
*P. patens* R. Brown  
*P. nigricans* R. Brown

*Calochilus*, R. Brown  
*C. campestris* R. Brown

*Microtis*, R. Brown  
*M. rara* R. Brown  
*M. media* R. Brown

*Cyrtostylis*, R. Brown  
*C. reniformis* R. Brown

*Chiloglottis*, R. Brown  
*C. diphylla* R. Brown

*Eriochilus*, R. Brown  
*E. autumnalis* R. Brown

*Leptoceras*, R. Brown  
*L. Menziesii* Lindley







<i>Caladenia</i> , R. Brown	
<i>C. cœrulea</i>	R. Brown
<i>C. carnea</i>	R. Brown
<i>C. alata</i>	R. Brown
<i>C. pulcherrima</i>	Ferd. Mueller
<i>Lyperanthus</i> , Brown	
<i>L. nigricans</i>	R. Brown
<i>Glossodia</i> , R. Brown	
<i>G. major</i>	R. Brown
<i>G. minor</i>	R. Brown
<i>Pterostylis</i> , R. Brown	
<i>P. concinna</i>	R. Brown
<i>P. cucullata</i>	R. Brown
<i>P. pedunculata</i>	R. Brown
<i>Macdonaldia</i> , Gunn	
<i>M. antennifera</i>	Lindley
<i>Dipodium</i> , R. Brown	
<i>D. punctatum</i>	R. Brown
IRIDEÆ, JUSSIEU.	
<i>Patersonia</i> , R. Brown	
<i>P. aspera</i>	Ferd. Mueller
<i>Diplarrhena</i> , Labillardière	
<i>D. Moræa</i>	Labillardière
AMARYLLIDEÆ, R. BROWN.	
<i>Crinum</i> , Linné	
<i>C. corynorhizum</i>	Ferd. Mueller
HYPOXIDEÆ, ENDLICHES.	
<i>Hypoxis</i> , Linné	
<i>H. glabella</i>	R. Brown
<i>H. vaginata</i>	Schlechtendal
<i>H. hygrometrica</i>	Labillardière
LILIACEÆ, CANDOLLE.	
<i>Bulbine</i> , Linné	
<i>B. bulbosa</i>	Haworth
<i>B. semibarbata</i>	Haworth
<i>B. suavis</i>	Lindley
<i>Dichopogon</i> , Kunth	
<i>D. humilis</i>	Kunth
<i>D. leimonophilus</i>	Ferd. Mueller
<i>Caesia</i> , R. Brown	
<i>C. corymbosa</i>	R. Brown
<i>C. vittata</i>	R. Brown
<i>C. parviflora</i>	R. Brown
<i>Thysanotus</i> , R. Brown	
<i>T. tuberosus</i>	R. Brown
<i>T. Patersoni</i>	R. Brown
<i>Tricoryne</i> , R. Brown	
<i>T. elatior</i>	R. Brown
<i>Stypandra</i> , R. Brown	
<i>S. umbellata</i>	R. Brown
<i>S. cæspitosa</i>	R. Brown
<i>Dianella</i> , Lamark	
<i>D. cœrulea</i>	Sims
<i>D. revoluta</i>	R. Brown
<i>Xanthorrhæa</i> , Smith	
<i>X. minor</i>	R. Brown
<i>X. Australis</i>	R. Brown
MELANTHACEÆ, R. BROWN.	
<i>Burchardia</i> , R. Brown	
<i>B. umbellata</i>	R. Brown
<i>Anguillaria</i> , R. Brown	
<i>A. dioica</i>	R. Brown

## APHYLLANTHACEÆ, ENDLICHER.

<i>Laxmannia</i> , R. Brown	
<i>L. Tasmanica</i>	Ferd. Mueller

## XYRIDEÆ, ENDLICHER.

<i>Xyris</i> , Linné	
<i>X. operculata</i>	Labillardière

## XEROTIDEÆ, ENDLICHER.

<i>Xerotes</i> , R. Brown	
<i>X. effusa</i>	Lindley
<i>X. longifolia</i>	R. Brown
<i>X. collina</i>	R. Brown
<i>X. laxa</i>	R. Brown
<i>X. gracilis</i>	R. Brown

## JUNCEÆ, CANDOLLE.

<i>Juncus</i> , Linné	
<i>J. maritimus</i>	Lamark
<i>J. vaginatus</i>	R. Brown
<i>J. effusus</i>	Linné
<i>J. pauciflorus</i>	R. Brown
<i>J. Brownii</i>	Ferd. Mueller
<i>J. homalocaulis</i>	Ferd. Mueller
<i>J. bufonius</i>	Linné
<i>J. prismatocarpus</i>	R. Brown
<i>J. cæspititius</i>	E. Meyer

<i>Lazula</i> , Candolle	
<i>L. campestris</i>	Candolle

## JUNCAGINEÆ, RICHARD.

<i>Triglochin</i> , Linné	
<i>T. narum</i>	Ferd. Mueller
<i>T. decipiens</i>	R. Brown
<i>T. tuberosum</i>	Ferd. Mueller
<i>T. mucronatum</i>	R. Brown

<i>Cynnogeton</i> , Endlicher	
<i>C. Huegelii</i>	Endlicher

## ALISMACEÆ, RICHARD.

<i>Alisma</i> , Linné	
<i>A. Plantago</i>	Linné
<i>Damasonium</i> , Jussieu	
<i>D. Australe</i>	Salisbury

## HYDROCHARIDEÆ, JUSSIEU.

<i>Ottelia</i> , Persoon	
<i>O. ovalifolia</i>	Lindley

## LEMNACEÆ, LINK.

<i>Lemna</i> , Linné	
<i>L. minor</i>	Linné
<i>L. trisulca</i>	Linné

## TYMPHACEÆ, JUSSIEU.

<i>Typha</i> , Tournefort	
<i>T. Shuttleworthii</i>	Koch and Sonder

## NAJADEÆ, LINK.

<i>Posidonia</i> , Kœnig	
<i>P. Caulini</i>	Kœnig
<i>Amphibolis</i> , Agardh	
<i>A. zosterifolia</i>	Agardh
<i>Zostera</i> , Linné	
<i>Z. uninervis</i>	Forskæel

## POTAMEÆ, JUSSIEU.

<i>Ruppia</i> , Linné	
<i>R. maritima</i>	Linné

<i>Potamogeton</i> , Linné			
<i>P. natans</i>	Linné		
<i>P. obtusifolius</i>	Mertens and Koch		
<i>P. marinus</i>	Linné		
<i>Zannichellia</i> , Micheli			
<i>Z. Preissii</i>	Lehmann		
DESVAUXIÆ, BARTLING.			
<i>Desvauxia</i> , R. Brown			
<i>D. aristata</i>	R. Brown		
<i>D. tenuior</i>	R. Brown		
<i>Alepyrum</i> , R. Brown			
<i>A. polygynum</i>	R. Brown		
<i>Aphelia</i> , R. Brown			
<i>A. cyperoides</i>	R. Brown		
<i>A. Pumilo</i>	Ferd. Mueller		
RESTIACEÆ, R. BROWN.			
<i>Hypolaena</i> , R. Brown			
<i>H. fastigiata</i>	R. Brown		
<i>Restio</i> , Linné			
<i>R. lateriflorus</i>	R. Brown		
<i>R. tetraphyllus</i>	Labillardière		
<i>Leptocarpus</i> , R. Brown			
<i>L. simplex</i>	R. Brown		
<i>L. tenax</i>	R. Brown		
CYPEROIDEÆ, JUSSIEU.			
<i>Cyperus</i> , Linné			
<i>C. levis</i>	R. Brown		
<i>C. lepidus</i>	Ferd. Mueller		
<i>C. lucidus</i>	R. Brown		
<i>C. venustus</i>	R. Brown		
<i>Kyllinga</i> , Rottboell			
<i>K. intermedia</i>	R. Brown		
<i>Chorizanthe</i> , R. Brown			
<i>C. cymbaria</i>	R. Brown		
<i>C. enodis</i>	Nees		
<i>Isolopis</i> , R. Brown			
<i>I. nodosa</i>	R. Brown		
<i>I. cartilaginea</i>	R. Brown		
<i>I. Magellanica</i>	Gaudichaud		
<i>I. multicaulis</i>	Schlechtendal		
<i>I. prolifera</i>	R. Brown		
<i>I. fluitans</i>	R. Brown		
<i>Fimbristylis</i> , Vahl			
<i>F. brachytricha</i>	Ferd. Mueller		
<i>Scirpus</i> , Linné			
<i>S. leptocarpus</i>	Ferd. Mueller		
<i>S. validus</i>	Vahl		
<i>S. maritimus</i>	Linné		
<i>Heleocharis</i> , R. Brown			
<i>H. spachata</i>	R. Brown		
<i>H. palustris</i>	R. Brown		
<i>H. gracilis</i>	R. Brown		
<i>H. pusilla</i>	R. Brown		
<i>Cladium</i> , R. Brown			
<i>C. Mariscus</i>	R. Brown		
<i>C. Filum</i>	R. Brown		
<i>Chapellieria</i> , Nees			
<i>C. glomerata</i>	Nees		
<i>C. juveca</i>	Nees		
<i>C. articulata</i>	Nees		
<i>Lepidosperma</i> , Labillardière			
<i>L. gladiatum</i>	Labillardière		
<i>L. elatius</i>	Labillardière		
<i>L. longitudinale</i>	Labillardière		
<i>L. exaltatum</i>	Labillardière		
<i>L. squamatum</i>	Labillardière		
<i>L. lineare</i>	R. Brown		
<i>L. canaliculatum</i>	Ferd. Mueller		
<i>L. filiforme</i>	Labillardière		
<i>L. tenuissimum</i>	Ferd. Mueller		
<i>Chatospora</i> , R. Brown			
<i>C. axillaris</i>	R. Brown		
<i>C. nitens</i>	R. Brown		
<i>Schanus</i> , R. Brown			
<i>S. pogonolepis</i>	Ferd. Mueller		
<i>Gahnia</i> , Forster			
<i>G. sulcata</i>	Ferd. Mueller		
<i>G. trigrammocarpa</i>	Ferd. Mueller		
<i>Psittacoschonus</i> , Nees			
<i>P. melanocarpus</i>	Nees		
<i>P. erythrocarpus</i>	Nees		
<i>P. phaeocarpus</i>	Ferd. Mueller		
<i>Uncinia</i> , Persoon			
<i>U. tenella</i>	R. Brown		
<i>Carex</i> , Linné			
<i>C. inversa</i>	R. Brown		
<i>C. chlorantha</i>	R. Brown		
<i>C. appressa</i>	R. Brown		
<i>C. vulgaris</i>	Fries		
<i>C. breviculmis</i>	R. Brown		
<i>C. longifolia</i>	R. Brown		
<i>C. Pseudocyperus</i>	Linné		
GRAMINEÆ, JUSSIEU.			
<i>Sporobolus</i> , R. Brown			
<i>S. Indicus</i>	R. Brown		
<i>S. Matrella</i>	Nees		
<i>Agrostis</i> , Linné			
<i>A. parviflora</i>	R. Brown		
<i>A. scabra</i>	R. Brown		
<i>A. æmula</i>	R. Brown		
<i>A. nivalis</i>	Ferd. Mueller		
<i>A. frigida</i>	Ferd. Mueller		
<i>A. lobata</i>	R. Brown		
<i>A. quadriseta</i>	R. Brown		
<i>Dichelachne</i> , Endlicher			
<i>D. crinita</i>	Ferd. Mueller		
<i>Cinna</i> , Linné			
<i>C. ovata</i>	Kunth		
<i>Polypogon</i> , Desfontaines			
<i>P. imitans</i>	Ferd. Mueller		
<i>Stipa</i> , Linné			
<i>S. micrantha</i>	Cavanilles		
<i>S. flavescens</i>	Labillardière		
<i>S. semibarbata</i>	R. Brown		
<i>Danthonia</i> , Candolle			
<i>D. pilosa</i>	R. Brown		
<i>D. robusta</i>	Ferd. Mueller		
<i>D. silvestris</i>	Ferd. Mueller		
<i>Trisetum</i> , Persoon			
<i>T. antarcticum</i>	Trinius		
<i>Avena</i> , Linné			
<i>A. hydrophila</i>	Ferd. Mueller		
<i>*A. fatua</i>	Linné		
<i>Bromus</i> , Linné			
<i>B. arenarius</i>	Labillardière		
<i>Vulpia</i> , Gmelin			
<i>V. rectiseta</i>	Nees		
<i>V. scabra</i>	Nees		
<i>Festuca</i> , Linné			
<i>F. litoralis</i>	Labillardière		
<i>Glyceria</i> , Brown			
<i>G. fluitans</i>	R. Brown		
<i>Dactylis</i> , Linné			
<i>*D. glomerata</i>	Linné		
<i>Eragrostis</i> , Beauvois			
<i>E. parviflora</i>	Trinius		
<i>E. lacunaria</i>	Ferd. Mueller		
<i>E. Brownii</i>	Kunth		





<i>Poa</i> , Linné		<i>Spinifer</i> , Linné	
<i>P. Australis</i>	R. Brown	<i>S. hirsutus</i>	Labillardière
<i>P. Behriana</i>	Ferd. Mueller		
<i>P. tenera</i>	Ferd. Mueller	<i>Alopecurus</i> , Linné	
* <i>P. annua</i>	Linné	* <i>A. geniculatus</i>	Linné
<i>P. distichophylla</i>	R. Brown		
<i>Briza</i> , Linné		<i>Anthistiria</i> , Linné	
* <i>B. minor</i>	Linné	<i>A. Australis</i>	R. Brown
<i>Phragmites</i> , Trinius		<i>Erianthus</i> , Richard	
<i>P. communis</i>	Trinius	<i>E. Mitchelli</i>	Ferd. Mueller
<i>Chloris</i> , Swartz		<i>Imperata</i> , Cyrillo	
<i>C. truncata</i>	R. Brown	<i>I. arundinacea</i>	Cyrillo
<i>Cynodon</i> , Richard		<i>Hemarthria</i> , R. Brown	
<i>C. Dactylon</i>	Richard	<i>H. uncinata</i>	R. Brown
<i>Panicum</i> , Linné		<i>Tetrarrhena</i> , R. Brown	
<i>P. laevinode</i>	Lindley	<i>T. acuminata</i>	R. Brown
<i>P. melananthum</i>	Ferd. Mueller	<i>T. contexta</i>	Ferd. Mueller
<i>P. lacunarium</i>	Ferd. Mueller		
<i>P. marginatum</i>	R. Brown	<i>Microstema</i> , Brown	
<i>P. spinescens</i>	R. Brown	<i>M. stipoides</i>	R. Brown
<i>Setaria</i> , Beauvois		<i>Lolium</i> , Linné	
<i>S. glauca</i>	Beauvois	* <i>L. perenne</i>	Linné
<i>Isachne</i> , R. Brown		* <i>L. temulentum</i>	Linné
<i>I. Australis</i>	R. Brown	<i>Hordeum</i> , Linné	
<i>Phalaris</i> , Linné		* <i>H. murinum</i>	Linné
* <i>P. minor</i>	Retz		

## Acotyledoneæ.

FILICES. JESSIE.			
<i>Nothochlœna</i> , R. Brown		<i>Adiantum</i> , Linné	
<i>N. distans</i>	R. Brown	<i>A. assimile</i>	Swartz
<i>Grammitis</i> , Swartz		<i>Cheilanthes</i> , Swartz	
<i>G. Australis</i>	R. Brown	<i>C. tenuifolia</i>	Swartz
<i>Gymnogramme</i> , Desvaux		<i>Lindsaea</i> , Dryander	
<i>G. rutæfolia</i>	Hooker & Greville	<i>L. linearis</i>	Swartz
<i>Polypodium</i> , Linné		<i>Dacrydia</i> , Smith	
<i>P. Billardieri</i>	R. Brown	<i>D. dubia</i>	R. Brown
<i>P. Grammitidis</i>	R. Brown	<i>Dicksonia</i> , L'Heritier	
<i>Aspidium</i> , Swartz		<i>D. antarctica</i>	Labillardière
<i>A. proliferum</i>	R. Brown	<i>Alsophila</i> , R. Brown	
<i>A. coriaceum</i>	Swartz	<i>A. Australis</i>	R. Brown
<i>Asplenium</i> , Linné		<i>Trichomanes</i> , Smith	
<i>A. obtusatum</i>	Forster	<i>T. venosum</i>	R. Brown
<i>A. flabellifolium</i>	Cavanilles	<i>Hymenophyllum</i> , Smith	
<i>A. laxum</i>	R. Brown	<i>H. flabellatum</i>	Labillardière
<i>Doodia</i> , Brown		<i>H. nitens</i>	R. Brown
<i>D. caudata</i>	R. Brown	<i>H. eupressiforme</i>	Labillardière
<i>Blechnum</i> , Linné		<i>Gleichenia</i> , Smith	
<i>B. striatum</i>	Swartz	<i>G. microphylla</i>	R. Brown
<i>Lomaria</i> , Willdenow		<i>G. dicarpa</i>	R. Brown
<i>L. Patersoni</i>	Sprengel	<i>G. tenera</i>	
<i>L. fluviatilis</i>	Sprengel	<i>Schizæa</i> , Smith	
<i>L. lanceolata</i>	Sprengel	<i>S. fistulosa</i>	Labillardière
<i>L. falcata</i>	Sprengel	<i>S. bifida</i>	Swartz
<i>L. minor</i>	Sprengel	<i>Osmunda</i> , Linné	
<i>L. proccra</i>	Sprengel	<i>O. barbara</i>	Thunberg
<i>Pteris</i> , Linné		<i>Ophioglossum</i> , Linné	
<i>P. vespertilionis</i>	Labillardière	<i>O. graminifolium</i>	Willdenow
<i>P. falcata</i>	R. Brown	<i>Botrychium</i> , Swartz	
<i>P. esculenta</i>	Forster	<i>B. Australe</i>	R. Brown

LYCOPODINEÆ, SWARTZ.		
<i>Psilotum</i> , Swartz		
<i>P. truncatum</i>		R. Brown
<i>Lycopodium</i> , Linné		
<i>L. densum</i>		Labillardière
<i>L. pleurostachyum</i>		Ferd. Mueller
<i>L. uliginosum</i>		Labillardière
<i>L. musciforme</i>		Ferd. Mueller

MARSILEACEÆ, R. BROWN.		
<i>Azolla</i> , Lamark		
<i>A. pinnata</i>		R. Brown
<i>A. rubra</i>		R. Brown
<i>Marsilea</i> , Linné		
<i>M. quadrifolia</i>		Linné







1854.

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VICTORIA.

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SECOND GENERAL REPORT

OF THE

GOVERNMENT BOTANIST

ON THE

VEGETATION OF THE COLONY.

DATED 5TH OCTOBER, 1854.

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LAI'D UPON THE COUNCIL TABLE BY THE COLONIAL SECRETARY,

BY COMMAND OF

HIS EXCELLENCY THE LIEUTENANT GOVERNOR,

AND

ORDERED BY THE COUNCIL TO BE PRINTED,

24TH OCTOBER, 1854.

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By Authority:

JOHN FERRES, GOVERNMENT PRINTER, MELBOURNE.

1854.







## REPORT OF THE GOVERNMENT BOTANIST.

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Botanic Gardens, Melbourne,  
5th October, 1854.

SIR,

In obedience to instructions from His Excellency the Lieutenant Governor, I do myself the honor of transmitting to you the Second Annual Report on the progress of my botanical researches.

Requested by the Government in October, 1853, to examine the vegetation of the Grampians and of the adjacent ranges, and to visit afterwards such districts as I deemed most advisable to explore, I commenced my journey, in accordance with these instructions, on the 1st of November, 1853.

The low land between Melbourne and Mount Sturgeon offered but very few novelties to the collections formed during the previous season, but in the Grampians, the Serra, and the Victoria Ranges, I had an opportunity, by ascending the most prominent heights, to increase considerably the series of plants already discovered in these localities by Sir Thomas Mitchell during his exploration of this country. Many of these plants belong not only exclusively to this Colony, although interspersed with such as inhabit the mountains of New South Wales, Van Diemen's Land, and South Australia, but are even in some instances restricted to solitary heights, an observation confirmed by similar instances of isolation of certain species occurring at the Table Mount of the Cape of Good Hope, in the mountains of North America, and other parts of the globe. The subalpine summit of Mount William proved in this respect to be exceedingly interesting. I was informed that these mountains contain malachite, and, judging from their similarity to the Mount Lofty and Barossa Ranges of South Australia, in which several copper mines have been opened, I feel convinced of the correctness of this statement.

The early heat and the consequent scantiness of water during the last spring, rendered it impossible, in proceeding from the Grampians to the Murray, to pursue a more westerly course than along the Avoca; but to obtain the advantage of observing the gradual change of the Mallee vegetation from south to north, I bore away westerly to Lake Lalbert, and thence reached the Murray in the beginning of December. Following partially the course of this river and partially the tracks through the desert, I travelled as far westerly as the junction of the Darling. During this excursion it was surprising to me to observe in the north-western parts of the Colony a remarkable accumulation not only of those plants formerly observed along the Lower Murray, but also numerous species from the steppes around Lake Torrens, which I had but recently commenced disclosing to botanical science, and it appears therefore that the subtropical Desert Flora terminates only in this latitude. Besides several hitherto unknown plants, descending along the Darling and Murrumbidgee from the north-east into our Colony, others even reappeared here from the west coast of Australia, so that for these reasons the materials for the Flora of Victoria became at this time considerably augmented, more particularly in the natural orders of Compositæ and Salsolaceæ. The saltplants here alluded to contribute largely to render these desolate places fit and often preferable for sheep pastures. The following useful plants from these localities are entitled to particular notice:—*Myoporum platycarpum*, a graceful tree, exuding a

saccharine secretion from its stem; *Cucurbita micrantha*, a small species of melon, as bitter and probably as valuable as the medicinal colocynth; *Santalum persicarium*, a dwarf kind of sandal tree, of which the root-bark furnishes an amylaceous food to the natives. It has been repeatedly related by travellers, that a small supply of water may be relied upon from the root of *Eucalyptus dumosa*, one of the Mallee bushes. The Murray lagoons, which are periodically dry, furnished a small number of plants, allied or identical to foreign, chiefly Indian or African species, and consequently important to phytogeography—(*Mollugo*, *Glinus*, *Ammannia*, *Jussiaea*, *Epaltes*, *Lycium*, &c.)

Returning from the Darling, I resumed my journey along the Murray River, with a deviation to Mount Hope, up to Albury, where I arrived about the middle of January of this year.

Desirous to devote the summer months to the exploration of the Australian Alps, I chose the Mitta Mitta line for further operations, ascended and crossed the Gibbo Ranges at an elevation of at least 5000 feet, and followed thence again the course of the Mitta Mitta into Omeo. At the Gibbo River argentaceous lead ore has already been discovered by the Rev. Mr. Clarke.

From here I attempted in vain to reach the Bogong Range, probably the highest point in this Island-Continent, being compelled to retreat by the extensive bush fires then raging in the intermediate mountains. The summit of this range, covered with eternal snow and glaciers, can hardly be estimated of less altitude than 7000 feet.

In order now to accomplish the examination of the Alpine Flora on the eastern frontiers, I started for the Cobboras Mountains, the most prominent points of the Great Dividing Range within the borders of this Colony. Not only these mountains, but also the greater part of the interjacent plains or plateaus are of a truly alpine or of a subalpine nature, ranging in elevation from 5000 to 6000 feet above the level of the ocean. As some of the highest sources of the Murray and of the Gipps Land rivers rise in this vicinity, the supply of water is plentiful. The valleys are either covered with spongy mosses (chiefly *Sphagnum*), which become transformed into peat, or produce nutritious grasses, some luxuriant enough to recommend their introduction into countries of the arctic zone—(*Hierochloa antarctica*, *H. submutica*, *Agrostis frigida*, *A. nivalis*, &c.) The vegetation of the Coborras Mountains does neither fully agree with that of Mount Buller, examined last year, nor with the Alpine Flora of Van Diemen's Land, although the following series of its plants may indicate its partial identity with both:—*Ranunculus pimpinellifolius*, *R. scapiger*, *Geranium brevicaule*, *Acacia bossiaeioides*, *Hovea gelida*, *Oxylobium alpestre*, *Anisotome glacialis*, *Didiscus humilis*, *Celmisia astelifolia*, *Eurybia megalophylla*, *Brachycome nivalis*, *B. multicaulis*, *Ctenosperma alpinum*, *Ozothamnus Hookeri*, *O. cinereus*, *Antennaria nubigena*, *Senecio pectinatus*, *Goodenia cordifolia*, *Gaultheria hispida*, *Leucopogon obtusatus*, *Lissanthe montana*, *Richea dracophylla*, *Prostanthera rotundifolia*, *Euphrasia alpina*, *Gentiana Diemensis*, *G. montana*, *Grevillea Australis*, *Pimelea gracilis*, *Podocarpus montana*, *Exocarpus humifusa*, *Juncus falcatus*, *Restio Australis*, *Oreobolus pumilio*, *Lomaria alpina*, *Polytrichum dendroides*, &c. Here all these plants are alpine, notwithstanding some of them descend in Tasmania to the low land. But to those already known I had the gratification of adding several new species, probably peculiar to the Alpine Flora of Australia, namely:—*Phebalium phyllicoides*, *Asterolasia trymalioides*, *Mniarum singuliflorum*, *Bossiaea distichoclada*, *Centella cuneifolia*, *Anisotome simplicifolia*, *Eurybia alpicola*, *Ozothamnus planifolius*, *Gnaphalium alpigenum*, *Hierochloa submutica*, *Glyceria Hookeriana*, *Agrostis gelida*, &c.

From the Cobboras Mountains I continued travelling over a large tract of subalpine country in a north-easterly direction to the Snowy River, as far as the boundaries of New South Wales. Out of several curious plants observed in the valleys of this stream, I ought to mention *Brachychiton populneum* (*Sterculia heterophylla*, All. Cunn., not Beauv.), a beautiful tree from the tropics, growing with its turgid stem out of the bare granite rocks, washed by the tremendous floods of the melting snow. With many of its usual companions,







it reaches here its most southerly limits. The seeds of this *Sterculia* were used for food in Dr. Leichhardt's expedition, and "produced not only a good beverage with an agreeable flavor, but also appeared to be very nourishing."

By a circuitous route along the Tambo to the south, and steering thence once more easterly, I reached, in the middle of March, the country beyond the mouth of the Snowy River, the most southerly locality in which palms exist in the Australian Continent. The vegetation here assumes, at a latitude nearly equal to that of Melbourne, at 37° 30' S., entirely a tropical character, with all its shady groves of trees producing dark horizontal foliage,—so rarely to be met with in Australia,—with all those impenetrable and intricate masses of parasites and climbers overrunning the highest trees, and with so many typical forms never or but rarely transgressing the torrid zone, unless sheltered against the cold and under the favorable influence of the mild humid atmosphere of the coast tracts. The stately *Corypha* palm or *Livistonia Australis*, one of the "princes of the vegetable world," attains here the height of more than sixty feet, and may be deemed one of the most useful productions of our Flora, furnishing in its young leafstalks and terminal bud the palm cabbage, a food equally wholesome and delicious, whilst the fan-shaped leaves are eagerly collected for the manufacture of hats. The occurrence of so many plants of a really tropical type, as *Cissus Australasica*, *Cocculus Harveyanus*, *Celastrus Australis*, *Tristania laurina*, *Acmena floribunda*, *Morinda jasminoides*, *Tylophora barbata*, *Marsdenia rostrata*, *Smilax spinescens*, *Eustrephus latifolius*, &c., bears a sufficient testimony not only to the geniality of the climate, but also to the capability of the soil in this district. Transitions to the Flora of New South Wales where here perceptible everywhere.

After a short journey to the Buchan River, I returned home, in consequence of the early commencement of the rainy season, in the middle of April, having traversed the country in various directions to the extent of more than 2500 miles. How far the material for the Flora of Victoria has been enriched during this journey, may be observed by referring to the annexed enumeration, which comprises, in addition to those plants brought forward in my last year's report, 391 Dicotyledoneæ, and 105 Monocotyledoneæ, of which nearly the fourth part was formerly unknown. Thus also 130 genera and 20 natural orders of cotyledonous plants have been incorporated into our Flora, one of the latter, *Menispermæ*, formerly foreign to Australia. Ten of the additional genera were also formerly unknown in this part of the globe (*Myosurus*, *Cocculus*, *Hutchinsia*, *Ammannia*, *Glinus*, *Celastrus*, *Centella*, *Erigeron*, *Antennaria*, *Udora*); whilst six others are either entirely new or hitherto undescribed (*Asterolasia*, *Halothamnus*, *Eriochiton*, *Osteocarpum*, *Juncella*, *Electrosperma*). Others again were previously thought to be confined to Van Diemen's Land, together with some here also indigenous Mammalia, amongst the latter the Tasmanian *Hyæna* (*Thylacinus cynocephalus*) and the Tiger-cat (*Dasyurus maculatus*).

The entire sum of species contained in the accompanying list, comprising, for the first time also, the lower Cryptogamic orders, amounts to 726, with 250 additional genera, by which the number of Victorian plants enumerated last year will be advanced to nearly 1700 really indigenous species, comprehending 680 genera and 134 natural orders,—numbers to be considered already as proportionately high for the extra-tropical latitudes and the areal of this Colony. It is probable that these comprise more than three-fourths of the indigenous plants, if the fungi are excluded, of which it is yet impossible to ascertain the number with any approach to correctness. In the compilation of that part of the catalogue which contains the lower Acotyledoneæ I have enjoyed the services of some botanists of the highest rank, who made these branches of phytology their more exclusive study, and whose assistance I most gratefully record on this occasion. Messrs. Hampe and C. Mueller performed the examination of the Mosses; Professor Al. Braun that of the Characeæ, and Dr. W. Sonder, for the greater part, that of the Algæ. I have further to acknowledge the aid which I experienced in the classification of others of these subtile plants from Professor Harvey, of King's College, Dublin, who intends to pursue his algological researches during

this summer on our shores, and from whose long experience and extensive knowledge we may expect the most perfect elucidation of our Marine Flora.

The general proportions of Dicotyledonous plants to Monocotyledonæ remain, by the additional species of this year, materially unaltered, namely, about 7 to 2, as formerly stated, with regard to the southern and south-eastern parts of the Colony; although, by a decrease of Monocotyledonæ in the north-western desert, an approach is perceptible there to that relation which these divisions of the vegetable kingdom bear to each other in Western Australia and in the sub-tropical part of South Australia. The series, however, of natural orders, with reference to their greatest number of species, received considerable alteration by the large increase of the Compositæ and several other orders in the desert tracts, and by the disappearance again, at various places, of other groups which predominated in the south. But as nearly all the main localities have now been traversed, the series of the most prevailing natural orders may be at this time considered fixed for the whole Colony in the following arrangement, if we omit, as not yet sufficiently examined, the lower Acotyledonæ, namely:—Compositæ, Leguminosæ, Gramineæ, Myrtaceæ, Cyperoideæ, Salsolaceæ, Proteaceæ, Filices, Orchideæ, Epacrideæ, Diosmeæ, Umbelliferæ, Liliaceæ, Labiataæ, Cruciferae, Goodeniaceæ, Scrophularinæ, Euphorbiaceæ.

Probably the descriptions of the new plants discovered last season will receive an abridged publication in the Transactions of the Philosophical Society or of the Melbourne Institute. Manuscripts have also been periodically transmitted to Sir William Hooker for his journal, accompanied by corresponding specimens. All these scattered notes will be hereafter collected in a popular form for a Flora of Victoria.

Seeds of the indigenous plants have been collected during my journey, as far as season and opportunity permitted, not only for our own establishment, but have been also distributed, to the amount of nearly 2000 lots, to the Royal Gardens at Kew, the Botanical Gardens of Hobart Town, Sydney, Cape of Good Hope, Mauritius, Calcutta, &c.

I beg to conclude these remarks with a few observations on the utility of such of our vegetable productions as were not alluded to in my last report.

The woods stand in this regard prominent in importance. The Blue Gum tree of Van Diemen's Land (*Eucalyptus globulus*) is found abundantly in some of the forest districts, principally of the south, and is already so well known for its colossal size, as to render it superfluous to quote the statements made of its vast dimensions. Of the circumference of the stem instances are on record by which this tree ranks only second to the famous Boabob from the Senegal. The experiments instituted in Van Diemen's Land have shown "that its elasticity and strength exceed generally those of all woods hitherto tested;" "it is equal in durability to oak and superior to it in size;" and therefore highly esteemed for ship building. Other *Eucalypti* likewise deserve attention, on account of the beauty and durability of their wood, in consequence of which qualities one of them from the south-eastern frontiers received there the name of the Mahogany tree. The wood of *Callistemon salignus*, although seldom of considerable size, stands here, perhaps, unrivalled for hardness. The fragrant Myall wood, so well adapted for subtile ornamental work, is obtained from *Acacia homalophylla*, and some allied species in the Mallee desert. The well-known Blackwood (*Acacia melanoxylon*), in some localities called Lightwood, attains in the Fern-tree gullies an enormous size, and yields a splendid material for furniture, at once most substantial and capable of a high polish, being also recommended for the finishing work of vessels. The Myrtle tree of Sealer's Cove and the Snowy River (*Acmena floribunda*) is also remarkable for its straight growth and its excellent wood. The Australian evergreen Beech (*Fagus Cunninghami*) forms a noble tree, sometimes more than 100 feet high, of which the wood receives a beautiful polish. Omitting such kinds as are more generally known, I may yet mention as useful, chiefly for ornamental work, the Sassafras wood (from *Atherosperma moschatum*), the Lomatia wood (from *Lomatia polymorpha*), that of the Tolosa tree (*Pittosporum bicolor*), the Musk wood (from *Eurybia argophylla*), the Iron wood (from *Notelaea ligustrina*), that of the Oil-





fruit tree (*Elæocarpus cyaneus*), the Zieria wood (from *Zieria arborescens*), that of the Heath tree (*Monotoca elliptica*), and of the Australian Mulberry tree (*Pseudomorus Australasica*). Samples of those kinds, which are met with on Wilson's Promontory, have been procured for the Paris Exhibition, and these may give some additional proof that we possess woods here for any purpose, with the exception perhaps of such as are fit for larger ships' masts.

Many other plants of practical value were noticed during my last expedition, amongst them a kind of New Zealand Spinage (*Tetragonia inermis*); an undescribed Elder tree (*Sambucus xanthocarpa*); a sort of Hottentot fig (*Mesembryanthemum præcox*), from the Murray desert, deserving cultivation for its agreeable fruit. To the series of native fruits enumerated last year might be farther added *Nitraria Billardieri*, and several species of *Exocarpus*, *Leucopogon*, and *Lissanthe*. Under the name of Australian Sarsaparilla, either the stems of *Hardenbergia monophylla*, or of *Muehlenbeckia appressa* and *complexa*, are employed; whilst a plant closely allied to the American root (*Smilax spinescens*) remained hitherto unnoticed.

Turning, finally, to our future prospects, as afforded to us by the enjoyment of the serenest climate and by the extensive fertility of the soil, I venture to say, that no praise too high can be bestowed in a general view on the productiveness of our adopted country. We possess in the Southern hemisphere, what the Ancients in the Northern called "regiones felices," those happy latitudes of a warm temperate zone, in which Nature with a prodigal hand offered prominently, amidst so many other gifts, the Cerealia, the Olive, and the Vine, and to which we there have added from the far East, the Orange, the Tea; from India, the Rice; and from the New World, the Maize, Cassava, Arrowroot, Tobacco, and so many other treasures of the vegetable world, on which mankind now rely for luxury and support. All these may be here successfully produced along with those which we enjoyed in the country of our youth, and will, I trust, with the mighty resources of our mineral wealth, render this country one of the most delightful and prosperous of the globe.

I have the honor to be,

Sir,

Your most obedient humble Servant,

FERDINAND MUELLER,

*Government Botanist.*

The Honorable

The Colonial Secretary.









## SECOND SYSTEMATIC INDEX

OF THE

## PLANTS OF VICTORIA,

COMPRISING THOSE WHICH WERE

EXAMINED BETWEEN SEPTEMBER, 1853, AND OCTOBER, 1854,

BY

DR. FERDINAND MUELLER,

*Government Botanist.***Dicotyledoneæ.**

## THALAMIFLORÆ, CANDOLLE.

## RANUNCULACEÆ, JUSSIEU.

<i>Clematis</i> , Linné	
C. leptophylla	Ferd. Mueller
C. comta	Ferd. Mueller

<i>Ranunculus</i> , Linné	
R. pimpinellifolius	Hooker
R. scapigerus	Hooker
*R. muricatus	Linné

<i>Myosurus</i> , Linné	
M. Australis	Ferd. Mueller

## DILLENIACEÆ, CANDOLLE.

<i>Pleurandra</i> , Labillardière	
P. ovata	Labillardière
P. humifusa	Ferd. Mueller

## MENISPERMEÆ, JUSSIEU.

<i>Cocculus</i> , Candolle	
C. Harveyanus	Ferd. Mueller

## PAPAVERACEÆ, CANDOLLE.

<i>Papaver</i> , Tournefort	
P. horridum	Candolle

## CRUCIFERÆ, JUSSIEU.

<i>Erysimum</i> , Linné	
E. brevipes	Ferd. Mueller
E. blennodes	Ferd. Mueller

<i>Meniocus</i> , Desvaux	
M. serpillifolius	Desvaux

<i>Lepidium</i> , Linné	
L. papillosum	Ferd. Mueller
L. monoplocoides	Ferd. Mueller

<i>Monoploca</i> , Bunge	
M. leptopetala	Ferd. Mueller

<i>Hutchinsia</i> , Brown	
H. antipoda	Ferd. Mueller

BOTANY.—c.

## ELEOCARPEÆ, JUSSIEU.

<i>Eleocarpus</i> , Linné	
E. cyaneus	Sims

## DROSERACEÆ, CANDOLLE.

<i>Drosera</i> , Linné	
D. angustifolia	Ferd. Mueller

## POLYGALEÆ, JUSSIEU.

<i>Comesperma</i> , Labillardière	
C. polygaloides	Ferd. Mueller

## PITTOSPORÆ, R. BROWN.

<i>Pittosporum</i> , Solander	
P. undulatum	Ventenat.

<i>Marianthus</i> , Huegel	
M. bignoniaceus	Ferd. Mueller

## VINIFERÆ, JUSSIEU.

<i>Cissus</i> , Linné	
C. Australasica	Ferd. Mueller

## SAPINDACEÆ, JUSSIEU.

<i>Dodonæa</i> , Linné	
D. Preissiana	Miquel
D. bursarifolia	Behr and Mueller
D. deflexa	Ferd. Mueller
D. procumbens	Ferd. Mueller

## ZYGOPHYLLÆ, JUSSIEU.

<i>Tribulus</i> , Tournefort	
T. acanthococcus	Ferd. Mueller

<i>Zygophyllum</i> , Linné	
Z. Billardieri	Candolle
Z. crenatum	Ferd. Mueller
Z. aurantiacum	Ferd. Mueller
Z. apiculatum	Ferd. Mueller
Z. iodocarpum	Ferd. Mueller

## DIOSMEÆ, JUSSIEU.

*Crowea*, Smith  
C. exalata Ferd. Mueller

*Zieria*, Smith  
Z. pauciflora Smith

*Boronia*, Smith  
B. cœrulescens Ferd. Mueller  
B. clavellifolia Ferd. Mueller  
B. variabilis Hooker  
B. pilosa Labillardière

*Phebalium*, Ventenat  
P. sediflorum Ferd. Mueller  
P. ozothamnoides Ferd. Mueller

*Asterolasia*, Ferd. Mueller  
A. phebaloides Ferd. Mueller  
A. trynalioides Ferd. Mueller

*Eriostemon*, Smith  
E. Hillebrandi Ferd. Mueller  
E. phyllicoides Ferd. Mueller  
E. gracilis Graham  
E. trachyphyllus Ferd. Mueller  
E. lancifolius Ferd. Mueller

*Geijera*, Schott  
G. parviflora Lindley

## BUETTNERIACEÆ, R. BROWN.

*Lasiopetalum*, Smith  
L. Behrii Ferd. Mueller

## STERCULIACEÆ, VENTENAT.

*Brachychiton*, Schott  
B. populneum Horsfield & Bennett

## MALVACEÆ, R. BROWN.

*Sida*, Linné  
S. Tasmanica J. Hooker  
S. intricata Ferd. Mueller  
S. humillima Ferd. Mueller  
S. trichopoda Ferd. Mueller  
S. Behriana Ferd. Mueller  
S. otocarpa Ferd. Mueller

## GERANIACEÆ, CANDOLLE.

*Geranium*, Linné  
G. brevicaule Hooker

## CARYOPHYLLÆ, JUSSIEU.

*Sagina*, Linné  
S. procumbens Linné  
*Spergularia*, Persoon  
S. brevifolia Bartling

## CALYCIFLORÆ, CANDOLLE.

## SCLERANTHÆ, LINK.

*Scleranthus*, Linné  
S. pungens R. Brown  
S. diander R. Brown

*Mniarum*, Forster  
M. biflorum Forster  
M. singuliflorum Ferd. Mueller

## PORTULACÆ, JUSSIEU.

*Glinus*, Loeffling  
G. lotoides Loeffling

*Portulaca*, Linné  
\*P. oleracea Linné

## TETRAGONIACEÆ, LINDLEY.

*Tetragonia*, Linné  
T. inermis Ferd. Mueller

## MESEMBRYANTHEMÆ, FENZL.

*Mesembryanthemum*, Linné  
M. præcox Ferd. Mueller

## NITRARIACEÆ, LINDLEY.

*Nitraria*, Linné  
N. Billardieri Candolle

## HALORAGÆ, BROWN.

*Pelonastes*, J. Hooker  
P. tuberculata J. Hooker

*Myriophyllum*, Linné  
M. simplicifolium Ferd. Mueller

## LYTHRARIÆ, JUSSIEU.

*Ammannia*, Houston  
A. Australasica Ferd. Mueller

## CUCURBITACEÆ, JUSSIEU.

*Sicyos*, Linné  
S. fretensis J. Hooker

*Cucurbita*, Linné  
C. micrantha Ferd. Mueller

## CUNONIACEÆ, R. BROWN.

*Bauera*, Kennedy  
B. sessiliflora Ferd. Mueller

## EUPHORBIACEÆ, JUSSIEU.

*Euphorbia*, Linné  
E. deserticola Ferd. Mueller

*Ricinocarpus*, Desfontaines  
R. sessiliflorus Ferd. Mueller

*Trachycaryon*, Klotzsch  
T. Hookeri Ferd. Mueller  
T. Cunninghami Ferd. Mueller

*Beyera*, Miquel  
B. oblongifolia Klotzsch  
B. opaca Ferd. Mueller

*Phyllanthus*, Swartz  
P. lacunarius Ferd. Mueller  
P. trachyspermus Ferd. Mueller

*Halothamnus*, Ferd. Mueller  
H. microphyllus Ferd. Mueller

## CNEORÆ, WEBB.

*Heterodendron*, Desfontaines  
H. angustifolium Ferd. Mueller

## CELASTRINÆ, R. BROWN.

*Celastrus*, Linné  
C. Australis Harvey & Mueller





## RHAMNACEÆ, R. BROWN.

<i>Trymalium</i> , Fenzl	
T. uncinatum	Ferd. Mueller
T. diversifolium	Ferd. Mueller
T. velutinum	Ferd. Mueller
<i>Cryptandra</i> , Smith	
C. leucophracta	Schlechtendal

## MYRTACEÆ, R. BROWN.

<i>Schidiomyrtus</i> , Schauer	
S. tenella	Schauer
<i>Lhotskya</i> , Schauer	
L. genethyloides	Ferd. Mueller
<i>Euryomyrtus</i> , Schauer	
E. diffusa	Schauer
<i>Leptospermum</i> , Forster	
L. scoparium	Forster
<i>Kunzea</i> , Reichenbach	
K. parvifolia	Schauer
<i>Eucalyptus</i> , L'Heritier	
E. resinifera	Smith
E. maculata	Hooker
E. leucoxydon	Ferd. Mueller
E. occidentalis	Endlicher
E. marginata	Smith
E. botryoides	Smith
E. stellulata	Sieber
E. punctata	Candolle
E. costata	Behr and Mueller
E. dumosa	All. Cunningham
E. uncinata	Turczaninow
E. gracilis	Ferd. Mueller
E. santalifolia	Ferd. Mueller
E. largiflorens	Ferd. Mueller
<i>Callistemon</i> , R. Brown	
C. arborescens	Ferd. Mueller
C. rigidus	Candolle
C. Sieberi	Candolle
<i>Melaleuca</i> , Linné	
M. uncinata	R. Brown
M. gibbosa	Labillardière
M. thymifolia	Smith
<i>Tristania</i> , R. Brown	
T. laurina	R. Brown
<i>Acmena</i> , Candolle	
A. floribunda	Candolle

## ROSACEÆ, JUSSIEU.

<i>Rubus</i> , Linné	
R. Eglanteria	Trattinick

## LEGUMINOSÆ, JUSSIEU.

<i>Acacia</i> , Willdenow	
A. Sentis	Ferd. Mueller
A. ovoidea	Bentham
A. bossiacoides	Bentham
A. ephedroides	Bentham
A. calamifolia	Sweet
A. Wilhelmsiana	Ferd. Mueller
A. brachybotrya	Bentham
A. gladiiformis	All. Cunningham
A. crassiuscula	Wendland
A. hakeoides	All. Cunningham
A. obtusata	Sieber
A. amœna	Wendland
A. microcarpa	Ferd. Mueller
A. homalophylla	All. Cunningham
A. clavata	Schlechtendal
A. floribunda	Willdenow

<i>Cassia</i> , Linné	
C. platypoda	R. Brown
C. teretiuscula	Ferd. Mueller
<i>Gompholobium</i> , Smith	
G. uncinatum	All. Cunningham
<i>Daviesia</i> , Smith	
D. egena	Ferd. Mueller
<i>Burtonia</i> , R. Brown	
B. subalpina	Ferd. Mueller
<i>Phyllota</i> , Candolle	
P. pleuroandroides	Ferd. Mueller
<i>Pultenaea</i> , Smith	
P. retusa	Smith
P. prostrata	Ferd. Mueller
P. subumbellata	Hooker
P. villifera	Sieber
" P. bacceoides	Bentham
P. juniperina	Labillardière
P. fasciculata	Bentham
<i>Bossia</i> , Ventenat	
B. ensata	Sieber
B. sulcata	Meisner
B. microphylla	Smith
B. distichoclada	Ferd. Mueller
<i>Goodia</i> , Salisbury	
G. pubescens	Sims
G. lotifolia	Salisbury
G. medicaginea	Ferd. Mueller
<i>Psoralea</i> , Linné	
P. parva	Ferd. Mueller
<i>Swainsona</i> , Salisbury	
S. coronillifolia	Salisbury
<i>Leptocyanus</i> , Bentham	
L. elongatus	Bentham
L. sericeus	Ferd. Mueller
L. Latrobeanus	Ferd. Mueller
L. clandestinus	Bentham
<i>Kennedya</i> , Ventenat	
K. rubicunda	Ventenat

## UMBELLIFERÆ, JUSSIEU.

<i>Centella</i> , Linné	
C. cuneifolia	Ferd. Mueller
<i>Dimetopia</i> , Candolle	
D. pusilla	Candolle
<i>Trachymene</i> , Rudge	
T. ovata	Rudge
<i>Didiscus</i> , Candolle	
D. humilis	J. Hooker
<i>Anisotome</i> , J. Hooker	
A. simplicifolia	Ferd. Mueller

## RUBIACEÆ, JUSSIEU.

<i>Galium</i> , Scopoli	
G. geminifolium	Ferd. Mueller
<i>Morinda</i> , Vaillant	
M. jasminoides	All. Cunningham

## LORANTHACEÆ, DON.

<i>Loranthus</i> , Linné	
L. linophyllus	Fenzl
L. melaleucæ	Lehmann

## CAPRIFOLIACEÆ, JUSSIEU.

<i>Sambucus</i> , Linné	
S. xanthocarpa	Ferd. Mueller

## COMPOSITÆ, VAILLANT.

<i>Steetzia</i> , Sonder			<i>Pycnosorus</i> , Bentham		
<i>S. ovata</i>	Sonder		<i>P. globosus</i>	Bentham	
<i>Eurybia</i> , Cassini			<i>P. chrysanthus</i>	Sonder	
<i>E. brachyphylla</i>	Ferd. Mueller		<i>Craspedia</i> , Forster		
<i>E. artemisioides</i>	Sonder & Mueller		<i>C. plejocephala</i>	Ferd. Mueller	
<i>E. rudis</i>	Bentham		<i>Polycalymma</i> , Sonder and Mueller		
<i>E. alpicola</i>	Ferd. Mueller		<i>P. Stuartii</i>	Sonder & Mueller	
<i>E. erubescens</i>	Candolle		<i>Ixodia</i> , Brown		
<i>E. Muellieri</i>	Sonder		<i>I. alata</i>	Schlechtendal	
<i>E. floribunda</i>	J. Hooker		<i>Humea</i> , Smith		
<i>E. paniculata</i>	Steetz		<i>H. elegans</i>	Smith	
<i>E. teretifolia</i>	Sonder		<i>Cassinia</i> , R. Brown		
<i>Therogeron</i> , Candolle			<i>C. rosmarinifolia</i>	All. Cunningham	
<i>T. integerrimus</i>	Candolle		<i>C. paniculata</i>	Behr and Mueller	
<i>T. tenuifolius</i>	Sonder		<i>Rutidosia</i> , Candolle		
<i>Erigeron</i> , Linné			<i>R. auricoma</i>	Ferd. Mueller	
<i>E. conyzoides</i>	Ferd. Mueller		<i>Waitzia</i> , Wendland		
<i>Minuria</i> , Candolle			<i>W. acuminata</i>	Steetz	
<i>M. asteroidea</i>	Sonder		<i>Leptorrhynchus</i> , Lessing		
<i>Brachycome</i> , Cassini			<i>L. nitidulus</i>	Candolle	
<i>B. leptocarpa</i>	Ferd. Mueller		<i>L. Rhytidanthe</i>	Bentham	
<i>B. goniocarpa</i>	Sonder & Mueller		<i>L. Waitzia</i>	Sonder	
<i>B. melanocarpa</i>	Sonder & Mueller		<i>L. pulchellus</i>	Ferd. Mueller	
<i>B. calocarpa</i>	Ferd. Mueller		<i>Ixiolana</i> , Bentham		
<i>B. ptychocarpa</i>	Ferd. Mueller		<i>I. tomentosa</i>	Sonder & Mueller	
<i>B. pachyptera</i>	Turczaninow		<i>Panzetia</i> , Cassini		
<i>B. chrysoglossa</i>	Ferd. Mueller		<i>P. athrixoides</i>	Sonder & Mueller	
<i>Calotis</i> , R. Brown			<i>Podolepis</i> , Labillardière		
<i>C. anthemoides</i>	Ferd. Mueller		<i>P. Lucæana</i>	Walpers	
<i>C. cuneifolia</i>	Brown		<i>P. affinis</i>	Sonder	
<i>C. lappulacea</i>	Bentham		<i>P. simplicicaulis</i>	Ferd. Mueller	
<i>C. erinacea</i>	Steetz		<i>Siemssenia</i> , Steetz		
<i>C. multiseta</i>	Sonder		<i>S. capillaris</i>	Steetz	
<i>C. scabiosifolia</i>	Sonder & Mueller		<i>Dimorpholepis</i> , Asa Gray		
<i>C. scapigera</i>	Hooker		<i>D. Australis</i>	Asa Gray	
<i>Cheiriloma</i> , Ferd. Mueller			<i>Ozothamnus</i> , R. Brown		
<i>C. hispidulum</i>	Ferd. Mueller		<i>O. Hookeri</i>	Sonder	
<i>Isoetopsis</i> , Turczaninow			<i>O. cinereus</i>	R. Brown	
<i>I. graminifolia</i>	Turczaninow		<i>O. thyrsoides</i>	Candolle	
<i>Epaltes</i> , Cassini			<i>O. rosmarinifolius</i>	Candolle	
<i>E. Australis</i>	Candolle		<i>O. planifolius</i>	Ferd. Mueller	
<i>Eclipta</i> , Linné			<i>O. cuneifolius</i>	Ferd. Mueller	
<i>E. erecta</i>	Linné		<i>Helichrysum</i> , Gaertner		
<i>Bidens</i> , Linné			<i>H. Blandowskianum</i>	Steetz	
<i>*B. tripartita</i>	Linné		<i>Chrysocephalum</i> , Walpers		
<i>Silphiosperma</i> , Steetz			<i>C. vitellinum</i>	Sonder & Mueller	
<i>S. collinum</i>	Sonder		<i>C. squarrulosum</i>	Sonder	
<i>Ctenosperma</i> , J. Hooker			<i>C. Behrianum</i>	Sonder	
<i>C. alpinum</i>	J. Hooker		<i>Helipterum</i> , Candolle		
<i>Sphaeromorpha</i> , Candolle			<i>H. exiguum</i>	Ferd. Mueller	
<i>S. petiolaris</i>	Candolle		<i>H. Stuartianum</i>	Sonder & Mueller	
<i>Hyalelepis</i> , Candolle			<i>H. corymbiflorum</i>	Schlechtendal	
<i>H. rhizocephala</i>	Candolle		<i>H. præcox</i>	Ferd. Mueller	
<i>Skirrhophorus</i> , Candolle			<i>Pteropogon</i> , Candolle		
<i>S. Muellerianus</i>	Sonder		<i>P. pygmæus</i>	Candolle	
<i>Angianthus</i> , Wendland			<i>Elachanthus</i> , Ferd. Mueller		
<i>A. brachypappus</i>	Ferd. Mueller		<i>E. pusillus</i>	Ferd. Mueller	
<i>Eriochlamys</i> , Sonder and Mueller			<i>Antennaria</i> , R. Brown		
<i>E. Behrii</i>	Sonder & Mueller		<i>A. nubigena</i>	Ferd. Mueller	
<i>Chrysocoryne</i> , Endlicher			<i>Gnaphalium</i> , Linné		
<i>C. angianthoides</i>	Ferd. Mueller		<i>G. alpinum</i>	Ferd. Mueller	
<i>Trichanthodium</i> , Sonder and Mueller			<i>Monenyanthus</i> , Asa Gray		
<i>T. skirrhophorum</i>	Sonder & Mueller		<i>M. gnaphaloides</i>	Asa Gray	
<i>Calocephalus</i> , R. Brown			<i>Gnaphalodes</i> , Asa Gray		
<i>C. Brownii</i>	Ferd. Mueller		<i>G. evacinum</i>	Sonder	
<i>C. Sonderi</i>	Ferd. Mueller				







<i>Hyalosperma</i> , Steetz	
H. variabile	Sonder
<i>Erechtites</i> , Rafinesque	
E. quadridentata	Candolle
E. glossanthes	Sonder
<i>Senecio</i> , Linné	
S. Georgianus	Candolle
S. pectinatus	Candolle
S. Behrianus	Sonder & Mueller
S. carnulentus	Candolle
<i>Leuzea</i> , Candolle	
L. Australis	Candolle
<i>Cirsium</i> , Tournefort	
*C. lanceolatum	Scopoli

## GOODENIACEÆ, R. BROWN.

<i>Dampiera</i> , R. Brown	
D. incana	R. Brown
<i>Scævola</i> , Linné	
S. hispida	Cavanilles
<i>Goodenia</i> , Smith	
G. varia	R. Brown
G. heteromera	Ferd. Mueller
<i>Velea</i> , Brown	
V. connata	Ferd. Mueller

## LOBELIACEÆ, JUSSIEU.

<i>Pratia</i> , Gaudichaud	
P. Cunninghami	J. Hooker

## STYLIDEEÆ, R. BROWN.

<i>Stylidium</i> , Swartz	
S. soboliferum	Ferd. Mueller
<i>Coleostylis</i> , Sonder	
C. Sonderi	Ferd. Mueller
C. nudicaulis	Ferd. Mueller

## ERICEEÆ, R. BROWN.

<i>Gaultheria</i> , Kalm	
G. hispida	R. Brown

## EPACRIDEEÆ, R. BROWN.

<i>Styphelia</i> , R. Brown	
S. adscendens	R. Brown
<i>Stenanthra</i> , R. Brown	
S. pinifolia	R. Brown
<i>Astroloma</i> , R. Brown	
A. ericoides	Ferd. Mueller
<i>Leucopogon</i> , R. Brown	
L. lanceolatus	R. Brown
L. villosus	R. Brown
L. obtusatus	J. Hooker
L. rotundifolius	R. Brown
<i>Monotoca</i> , R. Brown	
M. elliptica	R. Brown
<i>Lissanthe</i> , R. Brown	
L. daphnoides	R. Brown
L. divaricata	J. Hooker
<i>Richea</i> , R. Brown	
R. dracophylla	R. Brown

## COROLLIFLORÆ, CANDOLLE.

## MYOPORINEÆ, R. BROWN.

<i>Disoon</i> , Alph. Candolle	
D. floribundus	Alph. Candolle
<i>Myoporum</i> , Banks and Solander	
M. Cunninghami	Bentham
M. platycarpum	R. Brown
<i>Pholidia</i> , R. Brown	
P. divaricata	Ferd. Mueller
P. polyclada	Ferd. Mueller
<i>Eremophila</i> , R. Brown	
E. oppositifolia	R. Brown
<i>Stenochilus</i> , R. Brown	
S. subcanescens	Bartling

## LABIATÆ, JUSSIEU.

<i>Salvia</i> , Linné	
S. plebeja	R. Brown
<i>Westringia</i> , Smith	
W. violacea	Ferd. Mueller
<i>Plectranthus</i> , L'Heritier	
P. parviflorus	Willdenow
<i>Prostanthera</i> , Labillardière	
P. retusa	R. Brown
P. phyllifolia	Ferd. Mueller
P. coccinea	Ferd. Mueller
P. spinosa	Ferd. Mueller
<i>Teucrium</i> , Linné	
T. sessiliflorum	Bentham

BOTANY.—d.

<i>Stachys</i> , Linné	
*S. arvensis	Linné

## BORRAGINEÆ, DESVAUX.

<i>Myosotis</i> , Linné	
M. Forsteri	Lehmann
<i>Heliotropium</i> , Linné	
H. Curassavicum	Linné
H. lacunarium	Ferd. Mueller
H. elachanthum	Ferd. Mueller
<i>Halcania</i> , Gaudichaud	
H. strigosa	Schlechtendal

## CONVOLVULACEÆ, JUSSIEU.

<i>Wilsonia</i> , R. Brown	
W. humilis	R. Brown

## ASCLEPIADEÆ, R. BROWN.

<i>Marsdenia</i> , R. Brown	
M. rostrata	R. Brown
<i>Tylophora</i> , R. Brown	
T. barbata	R. Brown

## LOGANIACEÆ, ENDLICHER.

<i>Logania</i> , R. Brown	
L. linifolia	Schlechtendal
<i>Mitrasacme</i> , Labillardière	
M. pilosa	Labillardière
M. distylis	Ferd. Mueller

## GENTIANEE, JUSSIEU.

<i>Gentiana</i> , Linné	
G. montana	Forster
<i>Limnanthemum</i> , Gmelin	
L. geminatum	Griesebach
L. crenatum	Ferd. Mueller

## SOLANEE, JUSSIEU.

<i>Solanum</i> , Linné	
S. lacunarium	Ferd. Mueller
S. pulchellum	Ferd. Mueller
<i>Lycium</i> , Linné	
L. Australe	Ferd. Mueller

## GESNERIEE, RICHARD.

<i>Fieldia</i> , All. Cunningham	
F. Australis	All. Cunningham

## SCROPHULARINÆ, R. BROWN.

<i>Mimulus</i> , Linné	
M. gracilis	R. Brown
<i>Gratiola</i> , Linné	
G. pedunculata	R. Brown

<i>Limosella</i> , Linné	
L. tenuifolia	Nuttall
<i>Morgania</i> , R. Brown	
M. glabra	R. Brown
<i>Euphrasia</i> , Linné	
E. alpina	R. Brown
E. speciosa	R. Brown
E. scabra	R. Brown

## VERBASCEÆ, BARTLING.

<i>Verbascum</i> , Linné	
*V. Blattaria	Linné
*V. virgatum	Withering

## OROBANCHEÆ, JUSSIEU.

<i>Orobanche</i> , Linné	
O. antipoda	Ferd. Mueller

## LENTIBULARINÆ, RICHARD.

<i>Polypompholyx</i> , Lehmann	
P. exigua	Ferd. Mueller

## PRIMULACEÆ, VENTENAT.

<i>Samolus</i> , Tournefort	
S. micranthus	Ferd. Mueller

## MONOCHLAMYDEÆ, CANDOLLE.

## PROTEACEÆ, R. BROWN.

<i>Persoonia</i> , Smith	
P. linearis	Andrews
<i>Conospermum</i> , Smith	
C. patens	Schlechtendal
C. Dallachii	Ferd. Mueller
<i>Grevillea</i> , R. Brown	
G. dimorpha	Ferd. Mueller
G. confertifolia	Ferd. Mueller
G. Australis	R. Brown
G. lobata	Ferd. Mueller
G. rigidissima	Ferd. Mueller
G. pterosperma	Ferd. Mueller
<i>Lomatia</i> , R. Brown	
L. polymorpha	R. Brown
<i>Hakea</i> , Schrader	
H. flexilis	R. Brown
H. leucoptera	R. Brown
H. rugosa	R. Brown
H. Epiglottis	Labillardière
H. vittata	R. Brown
H. saligna	Knight & Salisbury
<i>Banksia</i> , Linné, jun.	
B. insularis	R. Brown
B. ornata	Ferd. Mueller
B. coccinea	R. Brown

## THYMELEÆ, JUSSIEU.

<i>Pimelea</i> , Banks and Solander	
P. drupacea	Labillardière
P. ligustrina	Labillardière
P. alpina	Ferd. Mueller
P. dichotoma	Schlechtendal
P. simplex	Ferd. Mueller
P. gracilis	R. Brown

## AMARANTHACEÆ, JUSSIEU.

<i>Trichinium</i> , R. Brown	
T. erubescens	Moquin
T. nobile	Lindley
T. grandiceps	Ferd. Mueller
T. atriplicifolium	All. Cunningham
T. Preissii	Nees

## SALSOLACEÆ, JUSSIEU.

<i>Rhagodia</i> , R. Brown	
R. parabolica	R. Brown
R. deltophylla	Ferd. Mueller
R. rigens	Ferd. Mueller
R. nitrariacea	Ferd. Mueller
<i>Blitum</i> , Linné	
B. atriplicinum	Ferd. Mueller
<i>Heuzenroedera</i> , Ferd. Mueller	
H. dysphanoides	Ferd. Mueller
<i>Obione</i> , Gaertner	
O. inflata	Ferd. Mueller
O. mutata	Ferd. Mueller
O. spongiosa	Ferd. Mueller
O. rhagodioides	Ferd. Mueller
<i>Atriplex</i> , Linné	
A. leptocarpum	Ferd. Mueller
A. lacunarium	Ferd. Mueller
*A. patulum	Linné
A. nummularium	Lindley
A. reniforme	R. Brown
A. Tandonis	Ferd. Mueller
<i>Anisacantha</i> , R. Brown	
A. quinquecuspidis	Ferd. Mueller
A. tricuspidis	Ferd. Mueller
A. bicuspidis	Ferd. Mueller
A. kentropsidea	Ferd. Mueller





<i>Sclerolæna</i> , R. Brown	
<i>S. biflora</i>	R. Brown
<i>S. paradoxa</i>	R. Brown
<i>Heterochlamys</i> , Ferd. Mueller	
<i>H. villosa</i>	Ferd. Mueller
<i>Kochia</i> , Schrader	
<i>K. brachyptera</i>	Ferd. Mueller
<i>K. brevifolia</i>	R. Brown
<i>K. sedifolia</i>	Ferd. Mueller
<i>K. villosa</i>	Lindley
<i>K. deserticola</i>	Ferd. Mueller
<i>K. aphylla</i>	R. Brown
<i>Kentropsis</i> , Moquin	
<i>K. cornuta</i>	Ferd. Mueller
<i>Eriochiton</i> , Ferd. Mueller	
<i>E. sclerolænoides</i>	Ferd. Mueller
<i>Osteocarpum</i> , Ferd. Mueller	
<i>O. salsuginosum</i>	Ferd. Mueller
<i>Salsola</i> , Linné	
<i>S. Australis</i>	R. Brown

POLYDONEÆ, JUSSIEU.	
<i>Polygonum</i> , Linné	
<i>P. diclinum</i>	Ferd. Mueller
<i>Muehlenbeckia</i> , Meisner	
<i>M. axillaris</i>	J. Hooker

SANTALACEÆ, JUSSIEU.	
<i>Choretrum</i> , R. Brown	
<i>C. chrysanthum</i>	Ferd. Mueller
<i>Exocarpus</i> , Labillardière	
<i>E. pendula</i>	Ferd. Mueller
<i>E. dasystachys</i>	Schlechtendal
<i>E. humifusa</i>	R. Brown
<i>E. aphylla</i>	R. Brown

CASUARINÆ, MIRBEL.	
<i>Casuarina</i> , Rumph	
<i>C. cristata</i>	Miquel

CONIFERÆ, JUSSIEU.	
<i>Callitris</i> , Ventenat	
<i>C. Australis</i>	Hooker

### Monocotyledoneæ.

ORCHIDEÆ, JUSSIEU.	
<i>Diuris</i> , Smith	
<i>D. elongata</i>	Swartz
<i>D. tageticolor</i>	Ferd. Mueller
<i>Spiranthes</i> , Richard	
<i>S. Australis</i>	Lindley
<i>Microtis</i> , R. Brown	
<i>M. pulchella</i>	R. Brown
<i>Acianthus</i> , R. Brown	
<i>A. fornicatus</i>	R. Brown
<i>Pterostylis</i> , R. Brown	
<i>P. reflexa</i>	R. Brown
<i>P. grandiflora</i>	R. Brown
<i>P. parviflora</i>	R. Brown
<i>P. longifolia</i>	R. Brown
<i>P. mutica</i>	R. Brown
<i>P. rufa</i>	R. Brown
<i>Corysanthes</i> , R. Brown	
<i>C. fimbriata</i>	R. Brown
<i>Macdonaldia</i> , Gunn	
<i>M. concolor</i>	Lindley

IRIDEÆ, JUSSIEU.	
<i>Patersonia</i> , R. Brown	
<i>P. glauca</i>	R. Brown
<i>P. longiscapa</i>	Sweet

AMARYLLIDÆ, R. BROWN.	
<i>Crinum</i> , Linné	
<i>C. flaccidum</i>	Herbert

LILIACEÆ, CANDOLLE.	
<i>Sowerbaea</i> , Smith	
<i>S. juncea</i>	Smith
<i>Dichopogon</i> , Kunth	
<i>D. setosus</i>	Kunth

<i>Arthropodium</i> , R. Brown	
<i>A. paniculatum</i>	R. Brown
<i>Cæsia</i> , R. Brown	
<i>C. lateriflora</i>	R. Brown
<i>Tricoryne</i> , R. Brown	
<i>T. aspera</i>	Ferd. Mueller
<i>Thysanotus</i> , R. Brown	
<i>T. sparteus</i>	R. Brown
<i>T. Baueri</i>	R. Brown
<i>Stypandra</i> , R. Brown	
<i>S. glauca</i>	R. Brown
<i>Dianella</i> , Lamark	
<i>D. longifolia</i>	R. Brown
<i>Eustrephus</i> , R. Brown	
<i>E. latifolius</i>	R. Brown
<i>E. angustifolius</i>	R. Brown

SMILACEÆ, R. BROWN.	
<i>Smilax</i> , Tournefort	
<i>S. spinescens</i>	Miquel

XYRIDÆ, ENDLICHER.	
<i>Xyris</i> , Linné	
<i>X. gracilis</i>	R. Brown

PALMÆ, JUSSIEU.	
<i>Livistona</i> , R. Brown	
<i>L. Australis</i>	Martius

XEROTIDÆ, ENDLICHER.	
<i>Xerotes</i> , R. Brown	
<i>X. æmula</i>	R. Brown
<i>X. filiformis</i>	R. Brown
<i>X. sororia</i>	Ferd. Mueller
<i>X. rigida</i>	R. Brown
<i>X. typhina</i>	Lindley

## CALECTASIEÆ, ENDLICHER.

<i>Calectasia</i> , R. Brown	
<i>C. grandiflora</i>	Preiss

## JUNCÆ, CANDOLLE.

<i>Juncus</i> , Linné	
<i>J. conglomeratus</i>	Linné
<i>J. planifolius</i>	R. Brown
<i>J. falcatus</i>	E. Meyer

## JUNCAGINEÆ, RICHARD.

<i>Triglochin</i> , Linné	
<i>T. dubium</i>	R. Brown

## HYDROCHARIDEÆ, JUSSIEU.

<i>Vallisneria</i> , Linné	
<i>V. spiralis</i>	Linné
<i>Udora</i> , Nuttall	
<i>U. Australis</i>	Ferd. Mueller

## TYPHACEÆ, JUSSIEU.

<i>Sparganium</i> , Linné	
<i>S. angustifolium</i>	R. Brown

## NAJADEÆ, AGARDH.

<i>Najas</i> , Linné	
<i>N. Indica</i>	Willdenow

## ZOSTERACEÆ, LINDLEY.

<i>Thalassia</i> , Solander	
<i>T. ovalis</i>	Ferd. Mueller

## POTAMEÆ, JUSSIEU.

<i>Potamogeton</i> , Linné	
<i>P. praelongus</i>	Wulfen
<i>P. perfoliatus</i>	Linné

## DESVAUXIÆ, BARTLING.

<i>Desvauxia</i> , R. Brown	
<i>D. pulvinata</i>	R. Brown
<i>D. glabra</i>	Ferd. Mueller
<i>D. Billardieri</i>	R. Brown
<i>Alepyrum</i> , R. Brown	
<i>A. pumilio</i>	R. Brown
<i>Juncella</i> , Ferd. Mueller	
<i>J. Tasmanica</i>	Ferd. Mueller

## ERIOCAULONEÆ, RICHARD.

<i>Electrosperma</i> , Ferd. Mueller	
<i>E. Australasicum</i>	Ferd. Mueller

## RESTIACEÆ, R. BROWN.

<i>Calorophus</i> , Labillardière	
<i>C. elongatus</i>	Nees
<i>Restio</i> , Linné	
<i>R. Australis</i>	R. Brown
<i>R. complanatus</i>	R. Brown
<i>Lepyrodia</i> , R. Brown	
<i>L. scariosa</i>	R. Brown
<i>L. paniculata</i>	Ferd. Mueller
<i>Lepidobolus</i> , Nees	
<i>L. Preissianus</i>	Nees

## CYPEROIDEÆ, JUSSIEU.

<i>Cyperus</i> , Linné	
<i>C. rotundus</i>	Linné
<i>C. difformis</i>	Linné
<i>C. vaginatus</i>	R. Brown
<i>Isolepis</i> , R. Brown	
<i>I. supina</i>	R. Brown
<i>Scirpus</i> , Linné	
<i>S. polystachyos</i>	Ferd. Mueller
<i>Cladium</i> , R. Brown	
<i>C. lanigerum</i>	R. Brown
<i>Chapelliera</i> , Nees	
<i>C. teretifolia</i>	Nees
<i>C. pauciflora</i>	Nees
<i>C. tetragona</i>	Ferd. Mueller
<i>Lepidosperma</i> , Labillardière	
<i>L. Neesii</i>	Kunth
<i>L. gracile</i>	R. Brown
<i>Oreobolus</i> , R. Brown	
<i>O. Pumilio</i>	R. Brown
<i>Elymanthus</i> , Lestiboudois	
<i>E. aphyllus</i>	Ferd. Mueller
<i>Caustis</i> , R. Brown	
<i>C. flexuosa</i>	R. Brown
<i>C. pentandra</i>	R. Brown
<i>Carex</i> , Linné	
<i>C. halmaturina</i>	Ferd. Mueller
<i>C. litorea</i>	Labillardière
GRAMINEÆ, JUSSIEU.	
<i>Agrostis</i> , Linné	
<i>A. gelida</i>	Ferd. Mueller
<i>Stipa</i> , Linné	
<i>S. elegantissima</i>	Labillardière
<i>S. læviculmis</i>	Nees
<i>S. aristiglumis</i>	Ferd. Mueller
<i>Pentapogon</i> , R. Brown	
<i>P. Behrii</i>	Ferd. Mueller
<i>Amphipogon</i> , R. Brown	
<i>A. caricinus</i>	Ferd. Mueller
<i>Pappophorum</i> , Schreber	
<i>P. nigricans</i>	R. Brown
<i>Neurachne</i> , R. Brown	
<i>N. alopecuroides</i>	R. Brown
<i>Avena</i> , Linné	
<i>A. nervosa</i>	R. Brown
<i>Bromus</i> , Linné	
<i>*B. sterilis</i>	Linné
<i>Vulpia</i> , Gmelin	
<i>V. pectinata</i>	Ferd. Mueller
<i>Triodia</i> , R. Brown	
<i>T. irritans</i>	R. Brown
<i>Glyceria</i> , R. Brown	
<i>G. Hookeriana</i>	Ferd. Mueller
<i>G. spectabilis</i>	Mertens and Koch
<i>Aristida</i> , Linné	
<i>A. contorta</i>	Ferd. Mueller
<i>A. Behriana</i>	Ferd. Mueller
<i>Poa</i> , Linné	
<i>P. ramigera</i>	Ferd. Mueller
<i>P. brizochloa</i>	Ferd. Mueller
<i>Chloris</i> , Swartz	
<i>C. Moorei</i>	Ferd. Mueller







<i>Panicum</i> , Linné			
<i>P. gracile</i>	R. Brown	<i>Holcus</i> , Linné	
<i>P. convallium</i>	Ferd. Mueller	* <i>H. lanatus</i>	Linné
<i>P. prolatum</i>	Ferd. Mueller		
<i>P. ammophilum</i>	Ferd. Mueller	<i>Hierochloa</i> , Gmelin	
<i>P. glareæ</i>	Ferd. Mueller	<i>H. antarctica</i>	R. Brown
		<i>H. submutica</i>	Ferd. Mueller
<i>Oplismenus</i> , Beauvois			
<i>O. debilicaulis</i>	Ferd. Mueller	<i>Aira</i> , Linné	
		<i>A. Tasmaniae</i>	Ferd. Mueller
<i>Andropogon</i> , Linné			
<i>A. bombycinus</i>	R. Brown		
<i>A. Australis</i>	Sprengel		

### Acotyledoneæ.

FILICES, JUSSIEU.			
<i>Gymnogramme</i> , Desvaux		<i>Astomum</i>	
<i>G. leptophylla</i>	Desvaux	<i>A. Krauseanum</i>	Hampe
<i>Polypodium</i> , Linné		<i>Leucobryum</i>	
<i>P. rupestre</i>	R. Brown	<i>L. brachyphyllum</i>	Hampe
<i>Allantodea</i> , R. Brown		<i>Physcomitrium</i> , Bridel	
<i>A. Australis</i>	R. Brown	<i>P. integrifolium</i>	Hampe & Mueller
<i>Nephrodium</i> , Michaux		<i>Euthostodon</i>	
<i>N. lacerum</i>	Ferd. Mueller	<i>E. Taylori</i>	C. Mueller
<i>Lomaria</i> , Willdenow		<i>Funaria</i> , Hedwig	
<i>L. alpina</i>	Sprengel	<i>F. spærocarpa</i>	C. Mueller
<i>Pteris</i> , Linné		<i>F. glabra</i>	Taylor
<i>P. umbrosa</i>	R. Brown	<i>Dissodon</i> , Greville and Arnott	
<i>Adiantum</i> , Linné		<i>D. plagiopus</i>	C. Mueller
<i>A. formosum</i>	R. Brown	<i>Encalypta</i> , Hedwig	
		<i>E. Tasmanica</i>	Hampe & Mueller
CHARACEÆ, RICHARD.			
<i>Nitella</i> , Agardh		<i>Barbula</i> , Hedwig	
<i>N. Sonderi</i>	A. Braun	<i>B. calycina</i>	Schwægrichen
<i>N. gelatinosa</i>	A. Braun	<i>B. Australasica</i>	Hooker & Greville
<i>N. cristata</i>	A. Braun	<i>B. torquata</i>	Taylor
<i>Chara</i> , Linné		<i>B. subtorquata</i>	Hampe & Mueller
<i>C. macropogon</i>	A. Braun	<i>B. crassinervia</i>	Taylor
		<i>B. breviseta</i>	Hampe & Mueller
		<i>B. fleximarginea</i>	Hampe & Mueller
		<i>B. pandurifolia</i>	Hampe & Mueller
		<i>B. pseudo-pilifera</i>	Hampe & Mueller
LICHENASTRA, DILLENIIUS.			
<i>Jungermannia</i> , Linné		<i>Bryum</i> , Linné	
<i>J. tomentella</i>	Ehrhart	<i>B. Preissianum</i>	Hampe
<i>J. tamarisci</i>	Linné	<i>B. argenteum</i>	Linné
<i>Metzgeria</i> , Raddi		<i>B. pachythecium</i>	C. Mueller
<i>M. glabra</i>	Raddi	<i>B. pyrothecium</i>	Hampe & Mueller
<i>Gymnomitrium</i> , Nees		<i>B. subæneum</i>	Hampe & Mueller
<i>G. pingue</i>	Huebner	<i>B. creberrimum</i>	Taylor
<i>Marchantia</i> , Linné		<i>B. campylothecium</i>	Taylor
<i>M. polymorpha</i>	Linné	<i>B. leptothecium</i>	Taylor
<i>Anthoceros</i> , Linné		<i>Ceratodon</i> , Bridel	
<i>A. punctatus</i>	Linné	<i>C. purpureus</i>	Bridel
<i>Riccia</i> , Linné		<i>Dicranum</i> , Hedwig	
<i>R. natans</i>	Linné	<i>D. glaucum</i>	Hedwig
		<i>D. dicarpum</i>	Hornschuch
		<i>D. introflexum</i>	Hedwig
		<i>D. pudicum</i>	Hornschuch
MUSCI, VAILLANT.			
<i>Sphagnum</i> , Dillenius		<i>Bartramia</i> , Hedwig	
<i>S. cymbophyllum</i>	Ferd. Mueller	<i>B. allinis</i>	Hooker
<i>Phascum</i> , Linné		<i>Gumbelia</i>	
<i>P. cylindricum</i>	Taylor	<i>G. obtusata</i>	Hampe & Mueller
		<i>Grimmia</i> , Hedwig	
		<i>G. leiocarpa</i>	Taylor
		<i>G. cynicolla</i>	Taylor
		<i>G. pygmæa</i>	C. Mueller

<i>Zygodon</i> , Hooker Z. Drummondii Z. Brownii	Taylor Schwaegrichen	<i>Parmelia</i> , Acharius P. diatrypa P. chrysophthalma P. spinosa P. parietina P. conspersa P. physodes P. perlata	Acharius Acharius Hooker & Taylor Acharius Acharius Acharius Acharius
<i>Orthotrichum</i> , Hedwig O. Tasmanicum	Hooker & Wilson	<i>Cladonia</i> , Hoffmann C. pyxidata C. furcata C. uncialis C. sparassa C. cornicularia C. retipora C. cervicornis	Fries Floerke Floerke Fries Laurer Fries J. Hooker
<i>Macromitrium</i> , Bridel M. Eucalyptorum	Hampe & Mueller	<i>Biatra</i> , Fries B. decipiens B. mixta B. cinnabrina	Fries Fries Fries
<i>Dawsonia</i> , R. Brown D. superba	Greville	<i>Collema</i> , Acharius C. azureum C. leucocarpum C. leve C. Australe C. rugatum	Acharius Hooker & Taylor Hooker & Taylor Hooker & Taylor Hooker & Taylor
<i>Catharinaea</i> , Ehrhart C. Muelleri	Ehrhart	<i>Coenogonium</i> , Ehrenberg C. nigrescens	Hampe
<i>Polytrichum</i> , Linné P. Australasicum P. juniperifolium P. commune P. dendroides	Hampe & Mueller Hoffmann Linné Hedwig	<i>Lichina</i> , Agardh L. pygmæa	Agardh
<i>Leptostomum</i> , R. Brown L. flexipile	C. Mueller	ALGÆ, JUSSIEU.	
<i>Mauium</i> , Dillenius M. Paramattense	C. Mueller	<i>Conferva</i> , Fries C. Darwinii	Kuetzing
<i>Fissidens</i> , Hedwig F. semilimbatus	Hampe & Mueller	<i>Cladophora</i> , Kuetzing C. Bainesii	Harvey & Mueller
<i>Hedwigia</i> , Hooker H. microcyathea	Hampe	<i>Ulea</i> , Agardh U. Lactuca	Linné
<i>Neckera</i> , Hedwig N. flavo-limbata N. mollis N. Australiæ	Hampe & Mueller Hampe & Mueller Hampe & Mueller	<i>Porphyra</i> , Agardh P. vulgaris	Agardh
<i>Hookeria</i> , Smith H. hepaticifolia	Hampe & Mueller	<i>Codium</i> , Agardh C. tomentosum	Agardh
<i>Leskea</i> , Hedwig L. lomomalla	Hampe	<i>Caulerpa</i> , Lamouroux C. corynephora C. geminata C. obscura C. Harveyi C. Sonderi C. Selago C. hypnoides C. simpliciuscula C. scalpelliformis	Montagne Harvey Sonder Ferd. Mueller Ferd. Mueller Agardh Agardh Agardh
<i>Hypnum</i> , Linné H. spininervium H. detlexum H. aciculare H. hastatum H. Muelleri H. subclavatum H. Rossmannianum H. amoenum H. extenuatum H. crinitum H. cochlearifolium	Hooker Wilson Hedwig C. Mueller Hampe Hampe C. Mueller Hedwig Bridel Wilson Schwaegrichen	<i>Sphacelaria</i> , Lyngbye S. paniculata	Suhr
<i>Cyathophorum</i> , Beauvois C. pennatum	Bridel	<i>Metachroma</i> , Harvey M. thujoides	Harvey
<i>Hypopterygium</i> , Bridel H. concinnum H. Novæ Zealandiæ	Bridel C. Mueller	<i>Dictyota</i> , J. Agardh D. paniculata	J. Agardh
LICHENES, MICHEL.		<i>Zonaria</i> , J. Agardh Z. interrupta	Agardh
<i>Usnea</i> , Dillenius U. florida	Acharius	<i>Halysaris</i> , Targioni H. Sonderi H. Muelleri	Harvey & Mueller Sonder
<i>Ramalina</i> , Acharius R. pusilla R. fraxinea	Fries Acharius	<i>Ecklonia</i> , Hornemann E. exasperata	J. Agardh
<i>Peltigera</i> , Weber P. polydactyla	Hoffmann		
<i>Sticta</i> , Schreber S. aurata S. linearis S. cinereo-glaucæ	Acharius Taylor Hooker & Taylor		





<i>Macrocystis</i> , Agardh <i>M. Dubenii</i>	Areschoug	<i>Champia</i> , Desvaux <i>C. Tasmanica</i>	Harvey
<i>Sarcophycus</i> , Kuetzing <i>S. potatorum</i>	Kuetzing	<i>Plocanium</i> , Harvey <i>P. angustum</i> <i>P. Mertensii</i> <i>P. costatum</i> <i>P. coccineum</i>	Harvey Harvey Agardh Lamouroux
<i>Chytraphora</i> , Suhr <i>C. filiformis</i> <i>C. incermis</i>	Suhr Sonder	<i>Hypnea</i> , Lamouroux <i>H. episcopalis</i> <i>H. musciformis</i> <i>H. cystoclonoides</i>	Hooker & Harvey Lamouroux Sonder
<i>Hormosira</i> , Endlicher <i>H. Banksii</i>	Decaisne	<i>Gelidium</i> , Greville <i>G. glandulifolium</i> <i>G. aspernum</i>	Harvey Greville
<i>Cystophora</i> , J. Agardh <i>C. platylobium</i> <i>C. cephalornithos</i> <i>C. Grevillei</i> <i>C. retroflexa</i> <i>C. paniculata</i>	J. Agardh J. Agardh J. Agardh J. Agardh J. Agardh	<i>Pterocladia</i> , J. Agardh <i>P. lucida</i>	J. Agardh
<i>Cystophyllum</i> , J. Agardh <i>C. trinode</i>	Sonder	<i>Melobesia</i> , Areschoug <i>M. Patena</i>	Hooker & Harvey
<i>Phyllospora</i> , Agardh <i>P. comosa</i>	Agardh	<i>Amphiroa</i> , Lamouroux <i>A. elegans</i> <i>A. stellulata</i>	Hooker & Harvey Decaisne
<i>Sargassum</i> , Agardh <i>S. varians</i> <i>S. bifforme</i>	Sonder Sonder	<i>Jania</i> , Lamouroux <i>J. tenuissima</i>	Sonder
<i>Callithamnion</i> , Lyngbye <i>C. scoparium</i> <i>C. Muellieri</i> <i>C. griffithsioides</i> <i>C. amansioides</i>	Hooker & Harvey Sonder Sonder Sonder	<i>Corallina</i> , Lamouroux <i>C. Cuvierii</i>	Lamouroux
<i>Seirococcus</i> , Greville <i>S. axillaris</i>	Greville	<i>Galaxaura</i> , Lamouroux <i>G. marginata</i>	Lamouroux
<i>Splachnidium</i> , Greville <i>S. rugosum</i>	Greville	<i>Gracilaria</i> , J. Agardh <i>G. confervoides</i>	Greville
<i>Ballia</i> , Harvey <i>B. Brunonia</i>	Harvey	<i>Melanthalia</i> , Montagne <i>M. obtusata</i>	Montagne
<i>Griffithsia</i> , Agardh <i>G. setacea</i>	Agardh	<i>Thysanocladia</i> , Endlicher <i>T. laxa</i>	Sonder
<i>Ptilota</i> , Agardh <i>P. coralloidea</i>	J. Agardh	<i>Phacelocarpus</i> , Endlicher and Diesing <i>P. Labillardierii</i>	J. Agardh
<i>Ceramium</i> , Lyngbye <i>C. ramulosum</i> <i>C. rubrum</i> <i>C. fastigiatum</i> <i>C. isogonum</i>	Hooker & Harvey Agardh Harvey Harvey	<i>Nitophyllum</i> , Greville <i>N. multipartitum</i>	Hooker & Harvey
<i>Corynospora</i> , J. Agardh <i>C. Australis</i>	Harvey	<i>Delesseria</i> , Greville <i>D. rigida</i>	Harvey
<i>Halophlegma</i> , Montagne <i>H. Preissii</i>	Sonder	<i>Bonnemaisonia</i> , Agardh <i>B. elegans</i>	Agardh
<i>Chrysomenia</i> , J. Agardh <i>C. obovata</i>	Sonder	<i>Erythroclonium</i> , Sonder <i>E. Muellieri</i> <i>E. angustatum</i>	Sonder Sonder
<i>Gigartina</i> , Lamouroux <i>G. pistillata</i> <i>G. Radula</i>	Lamouroux Agardh	<i>Lomentaria</i> , Lyngbye <i>L. affinis</i> <i>L. opuntioides</i>	Kuetzing Harvey
<i>Rhodocladia</i> , Sonder <i>R. Lamberti</i>	Sonder	<i>Laurencia</i> , Lamouroux <i>L. Forsteri</i> <i>L. obtusa</i> <i>L. Tasmanica</i> <i>L. botryoides</i> <i>L. elata</i>	Greville Lamouroux Hooker & Harvey Gaillon Harvey
<i>Rhodophyllis</i> , Harvey <i>R. Gunnii</i>	Harvey	<i>Asparagopsis</i> , Montagne <i>A. armata</i>	Montagne
<i>Areschougia</i> , Harvey <i>A. conferta</i>	Harvey	<i>Thamnoclonium</i> , Kuetzing <i>T. hirsutum</i>	Kuetzing
<i>Spyridia</i> , Harvey <i>S. filamentosa</i>	Harvey	<i>Polyphacum</i> , Agardh <i>P. Smithii</i>	Harvey

<i>Kuetzingia</i> , Sonder		<i>Rhytiphla</i> , Agardh	
<i>K. canaliculata</i>	Sonder	<i>R. elata</i>	Harvey
<i>Thuretia</i> , Decaisne		<i>Polysiphonia</i> , Greville	
<i>T. quercifolia</i>	Decaisne	<i>P. Hystrix</i>	Hooker & Harvey
<i>Lenormandia</i> , Sonder		<i>P. Muelleri</i>	Sonder
<i>L. Muelleri</i>	Sonder	<i>P. cancellata</i>	Harvey
<i>Pollexfenia</i> , Harvey		<i>P. cladostephus</i>	Montagne
<i>P. pedicellata</i>	Harvey	<i>Dasya</i> , Agardh	
<i>Dictymenia</i> , Greville		<i>D. plumigera</i>	Harvey
<i>D. tridens</i>	Greville	<i>D. villosa</i>	Harvey
<i>Dictyurus</i> , Bory		<i>D. tingens</i>	Harvey & Mueller
<i>D. Muelleri</i>	Sonder	<i>Polyzonia</i> , Suhr	
		<i>P. incisa</i>	J. Agardh

The plants marked with an asterisk are not really indigenous, but introduced species, and are consequently omitted in the calculations made in the Report.







1855.

VICTORIA.

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GOVERNMENT BOTANIST.

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ANNUAL REPORT

FROM

THE GOVERNMENT BOTANIST

FOR THE YEAR

1854.

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LAI'D UPON THE COUNCIL TABLE BY THE CHIEF SECRETARY,  
BY COMMAND OF HIS EXCELLENCY THE GOVERNOR,

AND

ORDERED BY THE COUNCIL TO BE PRINTED,

28th November, 1855.

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By Authority:

JOHN FERRES, GOVERNMENT PRINTER, MELBOURNE.

A.—No. 10.







1854—5.

VICTORIA.

## GOVERNMENT BOTANIST.

### REPORT OF HIS JOURNEY TO OMEO.

*LAI*D upon the COUNCIL TABLE by the COLONIAL SECRETARY, by Command of His EXCELLENCY THE LIEUTENANT GOVERNOR, and ordered by the COUNCIL to be printed, 30th January, 1855.

*The Government Botanist to the Colonial Secretary.*

Omeo, 16th December, 1854.

SIR,

I do myself the honor of laying before you, for communication to His Excellency the Lieutenant Governor, an account of my journey as far as this locality.

Leaving Melbourne on the 1st of November, I travelled through the Fern-tree Gullies to the La Trobe River, and thence to the Avon, and ascended Mount Wellington from the ranges of the latter stream on the 14th of November. The altitude of this mountain appears to me more than 5,000 feet, a snow storm lasting here, even at so advanced a season, for a whole day. The main journey to the central part of the Australian Alps I commenced again from the Avon on the 22nd November, proceeding to the Mitchell River, and thence to the Dargo. Following along the scrubby ranges between this river and the Wentworth, I crossed the Dividing Range between the waters of Gipps' Land and those of the Murray River near the upper part of the Cabongra. Thence I traversed a grassy table land in a north-easterly direction along the Cabongra downward, until the country appeared practicable, towards the north, to reach the highest part of the Bogong Ranges.

The ranges hereabouts, which never before have been traversed by civilized men, are generally fertile, and timbered with the mountain White Gum tree (*Eucalyptus phlebophylla*).

On the 3rd December I ascended the south-eastern of the two highest mountains of the Bogong Range. In its upper regions even the vegetation of bushes ceases, the slightly arched summit being covered with Alpine grasses and herbs. About noon I ascertained the boiling water point to be 198°, according to Fahrenheit's thermometer, and 75° according to Reaumur's scale. I am at present unable to calculate from this the barometer height and approximative altitude of this mountain, but I believe that it will be found nearly 7,000 feet above the level of the sea. The much more abrupt and yet higher summit of the north-western mount I ascended from the Upper Mitta Mitta, which skirts its base, on the 6th December. The boiling water point I observed again to be 198° F. (although the elevation of this mountain is unquestionably higher to the extent of several hundred feet), a circumstance owing to the greater atmospherical pressure of that day. The observation was instituted during the afternoon about three o'clock. On both these mountains mighty masses of snow lay far below the summits, lodging chiefly in the ravines, and these never melt entirely under the heat of the summer sun.

Considering that mountains of such altitude, probably the two highest in the Australian Continent, deserve distinctive names, I solicit His Excellency's permission to name the grandest of both Mount Hotham, and the second in height Mount La Trobe,—as I trust to be entitled to the great honor of being the first man who ever reached these commanding summits of the Australian highland. The sky being fortunately clear during the ascent of Mount Hotham, I enjoyed a most extensive and unrestricted view over the Alps, and I did not lose this opportunity of taking bearings over to some of the principal mountains already included in the trigonometrical survey of Australia. From Mount Hotham bore Mount Aberdeen (the southern peak in the Buffalo Ranges) W.  $10^{\circ}$  N., the most northern peak of the same range W.  $30^{\circ}$  N., Mount Buller W.  $35^{\circ}$  S., Mount M'Millan (of Townsend, or Castel Hill of Tyers) due S., the Cobboras mountains (between Omeo and Maneroo) E.  $12^{\circ}$  N., Mount Wellington S.  $10^{\circ}$  W., Mount La Trobe (distant about eight miles) S.  $25^{\circ}$  E. Farther bearings were made to Mount Leichardt E.  $30^{\circ}$  N., to Mitchell's Plateau (in about equal distance with Mount Buller) S.  $40^{\circ}$  W., to Kennedy's Height (a rocky hill in the snowy table land, and about six miles distant) E.  $5^{\circ}$  S., to Hooker's Plateau (about fifteen miles distant) N.  $25^{\circ}$  E. The bearings from Mount La Trobe were as follow:—Mitchell's Plateau S.  $15^{\circ}$  W., Mount Aberdeen W.  $5^{\circ}$  S., Clarke's Peak (between Mitchell's Plateau and the Buffalo Ranges) S.  $30^{\circ}$  W., Mount Hotham N.  $25^{\circ}$  W. Mounts Buller, Wellington, M'Millan, and other mountains were concealed in clouds. I hope that these bearings, although only taken with a simple pocket compass, will be found sufficient and correct enough to fix the position of these mountains until an exact survey of this interesting part of the country will be performed. The signification "Bogong Range" ought to be abandoned, as the natives apply it to any of the lofty mountains when in the fissures of the rocks, chiefly when covered with the spreading Alp pine (*Podorarpus montana*), the Bogong moth occurs. One of the main branches of the Mitta Mitta has its sources at Mount La Trobe, and those of another, as well as those of the Ovens and Mitchell, lay in a lower range not far distant. This snowy highland is in many places well grassed, and the lower parts of it will be doubtless occupied as cattle runs as soon as the discovery of a workable Gold Field opens this part of the Colony. The prevailing rock is sandstone, often accompanied by slate and quartz. Granite is comparatively rare.

After extending my journeys over several mountains in the neighbourhood, and an exploration of the Upper Mitta Mitta, I went over a generally fertile country to Omeo.

The amount of additional plants for the Flora of Victoria, obtained during this part of my expedition, is nearly sixty species, comprising the following genera:—*Emex*, *Drosera*, *Chactospora*, *Gastrodia*, *Stiostylis*, *Levanora*, *Chorysanthis*, *Cassia*, *Pamaderris*, *Plantago*, *Lepidosperma*, *Devaspora*, *Astelia*, *Schidiomyrtus*, *Rammoulus*, *Veronita*, *Eurybia*, *Lemapogon*, *Patersonia*, *Grevillea*, *Pleurandra*, *Fonidium*, *Barbarea*, *Calystegia*, *Viola*, *Hypnum*, *Myosotis*, *Cryptandra*, *Erysimum*, *Prasophyllum*, *Carix*, *Ozothamnus*, *Pentachondra*, *Fungermannia*, *Boronia*, *Haplopappus*, *Stackhousia*, *Pimelia*, *Bryum*, *Bartramia*, *Hedvigia*, *Oreobalus*, *Bellendena*, *Alchemilla*. Several of the species are perfectly unknown, and nine of the genera and one natural order (*Asteliaceæ*) were previously also not represented in this Colony.

It is my intention to proceed without delay from here to the Cobboras, thence to Maneroo and the Mungang mountains, by which excursions the botanical examination of the Australian Alps will be completed.

I have the honor to be,

Sir,

Your most obedient and humble servant,

FERD. MUELLER.

The Honorable

The Colonial Secretary.







## REPORT OF THE GOVERNMENT BOTANIST.

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Botanic Gardens, Melbourne,  
25th June, 1855.

SIR,

I do myself the honor of transmitting for communication to His Excellency the Governor my Third General Report.

Having received, in October, 1854, His Excellency's sanction for a more extensive phytologic exploration of the Australian Alps, I left for Gipps' Land on the 1st of November, 1854.

Whilst travelling along the banks of the La Trobe River and the Avon, I had ample opportunities for convincing myself that an extensive tract of that country, on account of the fertility of its soil, the mildness of its climate, and the facility of clearing land there for agriculture, is undoubtedly destined to become, when the internal communication there has been more facilitated, the abode of a large and prosperous population.

Proceeding along the ranges of the Avon, which are generally barren, scrubby, and in many places densely timbered, I ascended Mount Wellington, the most southern summit of the Australian Alps, on the 22nd November, 1854, from whence I added some highly interesting plants to our botanical collections. At the elevation of about 4000 feet above the sea level, or at a subalpine altitude, a striking change is perceptible in the vegetation, since the valleys and plateaus, stretching from Mount Wellington to the north, and more or less westerly and easterly, are well saturated with moisture, both from the attraction of clouds, and from the dissolving snow, which, lying there for many months in the year, has given to these localities the appellation of "The Snowy Plains."

The route thus followed is the most practicable for penetrating from this part of Gipps' Land into the central mountains of the Alps, although an easier access yet may be found to them from Omeo, by following the generally grassy ranges to the westward from a few miles above the junction of the Livingstone River with the Mitta Mitta.

Proceeding on a second journey along the Darga, which flows through some luxuriantly grassed recesses of the mountains, I advanced through a difficult country to the Bogong Range, the culminating point of the westerly systema of the Snowy Mountains; a dense scrub, and the total absence of water on the crest of the Wentworth Ranges, rendering the progress tedious, until I reached the Dividing Range towards the sources of the Cabongra, where again the feature of the country changes on the northern slopes of the mountains, or along the sources of the Murray tributaries. Here open valleys give access to the central ranges in almost every direction, and a profusion of

grass and water attracts cattle during the summer months far into these mountains. The low scrubby underwood disappears with stringy bark, and box, eucalypti, and the dwarf forests of mountain gum trees, which replace them, may either be avoided or offer but little obstruction to the progress of a traveller.

According to a special report, which I had the honor of transmitting to the Government, dated Omeo, 16th December, 1854, I succeeded in reaching not only two of the main sources of the Mitta Mitta, but also the two most elevated heights of the Bogong Range; these perhaps not even previously trodden by the aborigines, since game and brushwood cease far below the summits. The two highest mountains, which I had the honor, by His Excellency's sanction, to distinguish as Mount Hotham and Mount La Trobe, are along the terminal ravines covered with eternal snow. It will be unnecessary to repeat here the respective bearings which I took from these all-commanding heights, since they are detailed in my special report; but it remains for me to confirm my computation with regard to their altitude. My calculations, based on the boiling water point, proved, after my return, that the summits of the Bogong Range are unsurpassed by any other known of this continent, approaching to the altitude of 7000 feet above the level of the ocean. A depressed Glacier Flora, imitating in some degree the botanical features of the European and other Alps, covers scantily the icy tops.

The bearings from the summit of Mount Tambo, instituted on the 17th December, 1854, gave the position of Mount Hotham due W., of Mount La Trobe, W. 4° S.

From Omeo I resumed my journey into the north-easterly systema of our Alps, through a delightful subalpine country, opening into wide valleys at the main sources of the Snowy River, many of these valleys well adapted and partially used for summer pastures.

I ascended the most northern alpine hill of the Munyang Mountains on the 1st of January, 1855, and traversed in the weeks subsequent most of the principal elevations of these prodigious mountains, adding also there again not inconsiderably to our herbarium. Here on very many places the waters of the Murray and the Snowy River are rising in the closest proximity.

Descending, in the latter part of January, along the Snowy River to the lower country, I advanced as far easterly through the coast tract as the boggy nature of the country permitted, and I devoted my attention here again to the Flora of the Palm Tree Country, to improve my knowledge of the interesting plants discovered here previously in a more advanced season.

But the full botanical investigation of the south-eastern portion of this Colony, which, under the mildest climate, abounds in subtropical plants, can only be accomplished from the New South Wales frontier.

Returning from the Snowy River, I deemed it more promising to prosecute my operations on the coast, along which I proceeded to Lake King. Here I observed, amongst other rare and unknown plants, some fine trees of *Acronychia*, a genus known from Eastern Australia and New Caledonia, remarkable for its splendid wood and the aromatic property by which the species are pervaded.

A most severe illness frustrated my intention of ascending Mount Bow Bow, a wild, rocky, isolated summit at the south-western slope of the





Australian Alps, hitherto unexplored, and perhaps the only locality from which additions may be expected of importance to our knowledge of the Alpine Flora.

Reflecting on the general results of this journey, I trust to be justified in considering them not without some importance, at least for the geography of plants. The expedition was planned more with a view of ascertaining the alliance between the vegetation of the Alps of Australia and plants of other countries, than with anticipations of largely enriching thereby the number of plants already under notice. Still, by referring to the enumeration annexed to this document, and to my former annual reports, it will be observed, that the total amount of either truly alpine, or at least subalpine plants of this country, exceeds 100 species, and it is pleasant to perceive that half of these are endemic, or not yet elsewhere discovered; whilst by far the greater part of the other half comprises such as inhabit Tasmania, or are likewise natives of New Zealand. A much smaller proportion is identical with plants found exclusively in New Zealand, or Lord Auckland's Group, or Campbell's Island. The genus *Drapetes*, for a long time only known in Fuegia, is now ascertained to exist, with other plants from the cold zone of South America, in the Australian Alps, New Zealand, Tasmania, and Borneo, and many other instances might be adduced to show the typical resemblance of many plants from the Alps of Australia with those of distant countries. As a most surprising fact in this regard, I beg to allude to the sudden reappearance of several European plants in the heart of the Australian Alps, plants which may be searched for in vain in the intervening country, viz. :—*Turritis glabra*, *Sagina procumbens*, *Alchemilla vulgaris*, *Veronica serpyllifolia*, *Carex Pyrenaica*, *Carex echinata*, *Carex canescens*, *Carex Buxbaumii*, and *Botrychium Lunaria*. I may also advert to the occurrence of *Lysimachia vulgaris* in the Gipps' Land morasses as another singular instance of the enigmatic laws which rule the distribution of plants, and I cannot suppress my opinion that such facts tend to annihilate all theories in favor of migration of species from supposed centres of creation.

The Index which I have annexed comprises also a large number of seaweeds, discovered by Professor Harvey, and adds thus 96 genera and 327 species to my previous enumerations, advancing the number of the former to 776, a sum which, as excluding all yet introduced plants, all fungi, and many undetermined genera of the lower orders, must be considered eminently large. The number of species ascertained to occur in Victoria exceeds, under the exclusions alluded to, already 2000. Excluding all algæ, 15 genera have been added to the Flora of this continent, two of them new to science—*Caltha*, *Howittia*, *Colobanthus*, *Dichopetalum*, *Pozoa*, *Diplaspis*, *Seseli*, *Diodia*, *Nertera*, *Decaspora*, *Pæderota*, *Drapetes*, *Herpolirion*, *Astelia*, and *Andræa*.

Seeds of native plants were collected, whenever obtainable, and have been distributed (in more than 1000 lots) with a view of increasing by interchange the supply for our own establishment to the best advantage. It is my pleasing duty to acknowledge here the valuable contributions for our gardens, received in return for my former collections, amongst which contributions those of Sir William Hooker, from the Royal Gardens at Kew, are prominent.

Engagements in the botanical perlustration of tropical Australia, for which His Excellency has been pleased to sanction my absence for the next and the current year, render it impossible to devote any time for the most desirable researches into the utility of so many of our native plants; but I have succeeded in finishing my systematic labors on the Flora of Victoria, so far as the material for it was accumulated, and an outline of the more interesting new plants has been furnished for the Journals of the Philosophical Society and the Victorian Institute. A more extensive information on our native plants was forwarded to Sir William Hooker, and I trust that, on account of the great alliance of the Victorian and Tasmanian plants, these manuscripts will prove to be useful in the elaboration of the Flora of Van Diemen's Land, which is now to be published, under the auspices of the Imperial Government, by Dr. J. Hooker.

A splendid collection of Algæ, procured on our shores by Professor Harvey, forms a valuable addition to our herbarium. The whole of the collections may at all times be consulted in the Botanic Garden; and I hope sincerely that the labor which I have bestowed on these collections will not be in undue proportion to the information which they are intended to convey.

A regular transmission of botanical specimens to Kew has also been continued.

Steps have likewise been taken to procure from other countries such plants as promise to become of use to the Colony; and it is gratifying to know that Nature has favored us with a soil and with a climate in which all treasures of the vegetation dispersed through extra-tropical countries may be reared in perfection and abundance.

I have the honor to be,

Sir,

Your most obedient and humble Servant,

FERDINAND MUELLER,

*Government Botanist.*

The Honorable

The Colonial Secretary.







## THIRD SYSTEMATIC INDEX

OF THE

## PLANTS OF VICTORIA,

COMPRISING THOSE

COLLECTED AND EXAMINED BETWEEN NOVEMBER, 1854, AND JUNE, 1855;

BY

DR. FERDINAND MUELLER,

*Government Botanist.*

## Dicotyledoneæ.

## THALAMIFLORÆ, CANDOLLE.

## RANUNCULACEÆ, JUSSIEU.

<i>Clematis</i> , Linné	
C. <i>blanda</i>	Hooker
<i>Ranunculus</i> , Linné	
R. <i>anemoneus</i>	Ferd. Mueller
R. <i>Millani</i>	Ferd. Mueller
R. <i>multiscapus</i>	J. Hooker
<i>Caltha</i> , Linné	
C. <i>introloba</i>	Ferd. Mueller

## DILLENIACEÆ, CANDOLLE.

<i>Pleurandra</i> , Labillardière	
P. <i>calycina</i>	Candolle

## PAPAVERACEÆ, CANDOLLE.

<i>Eschscholtzia</i> , Chamisso	
*E. <i>Californica</i>	Chamisso

## CRUCIFERÆ, JUSSIEU.

<i>Barbarea</i> , R. Brown	
B. <i>vulgaris</i>	R. Brown
<i>Turritis</i> , Linné	
T. <i>glabra</i>	Linné
<i>Sisymbrium</i> , Linné	
S. <i>trisetum</i>	Ferd. Mueller
<i>Blennodia</i> , R. Brown	
B. <i>alpestris</i>	R. Brown

## HYPERICINEÆ, CANDOLLE.

<i>Hypericum</i> , Linné	
H. <i>Japonicum</i>	Thunberg

## DROSERACEÆ, CANDOLLE.

<i>Drosera</i> , Linné	
D. <i>Arcturi</i>	Hooker
D. <i>spathulata</i>	Labillardière

## VIOLARINÆ, CANDOLLE.

<i>Viola</i> , Linné	
V. <i>Caleyana</i>	Don
<i>Jonidium</i> , Ventenat	
J. <i>dissitiflorum</i>	Ferd. Mueller

## DIOSMEÆ, JUSSIEU.

<i>Boronia</i> , Smith	
B. <i>algida</i>	Ferd. Mueller
<i>Phebalium</i> , Ventenat	
P. <i>oratifolium</i>	Ferd. Mueller

## XANTHOXYLEÆ, NEES AND MARTIUS.

<i>Acronychia</i> , Forster	
A. <i>laurina</i>	Ferd. Mueller

## MALVACEÆ, R. BROWN.

<i>Howittia</i> , Ferd. Mueller	
H. <i>trilocularis</i>	Ferd. Mueller
<i>Malva</i> , Linné	
*M. <i>silvestris</i>	Linné
*M. <i>crispa</i>	Linné

## CARYOPHYLLÆ, JUSSIEU.

<i>Colobanthus</i> , Bartling	
C. <i>pulvinatus</i>	Ferd. Mueller

## CALYCIFLORÆ, CANDOLLE.

## STACKHOUSEÆ, R. BROWN.

<i>Stackhousia</i> , Smith	
S. <i>pulvinaris</i>	Ferd. Mueller

## HALORAGÆ, R. BROWN.

<i>Haloragis</i> , Forster	
H. <i>acutangula</i>	Ferd. Mueller

BOTANY.—C.

<i>Londonia</i> , Lindley	
L. <i>Behrii</i>	Schlechtendal

## ONAGRÆÆ, JUSSIEU.

<i>Oenothera</i> , Linné	
*O. <i>suaveolens</i>	Desfontaines

## LYTHRARIÆ, JUSSIEU.

<i>Lythrum</i> , Linné	
L. <i>Hyssopifolia</i>	Linné

## RHAMNACEÆ, R. BROWN.

<i>Pomaderris</i> , Labillardière	
P. <i>phlycifolia</i>	Loddiges
P. <i>ligustrina</i>	Sieber
<i>Cryptandra</i> , Smith	
C. <i>Sieberi</i>	Fenzl
<i>Trymalium</i> , Fenzl	
T. <i>bilobatum</i>	Ferd. Mueller
T. <i>subochreatum</i>	Ferd. Mueller

## MYRTACEÆ, R. BROWN.

<i>Harmogia</i> , Schauer	
H. <i>propinqua</i>	Schauer
<i>Camphoromyrtus</i> , Schauer	
C. <i>pluriflora</i>	Ferd. Mueller
<i>Kunzea</i> , Reichenbach	
K. <i>crucifolia</i>	Ferd. Mueller

## ROSACEÆ, JUSSIEU.

<i>Alchemilla</i> , Linné	
A. <i>vulgaris</i>	Linné

## LEGUMINOSÆ, JUSSIEU.

<i>Cassia</i> , Linné	
C. <i>revoluta</i>	Ferd. Mueller
<i>Bossia</i> , Ventenat	
B. <i>Scolopendria</i>	Smith
B. <i>heterophylla</i>	Ventenat
<i>Sesbania</i> , Persoon	
S. <i>Australis</i>	Ferd. Mueller
<i>Melilotus</i> , Tournefort	
*M. <i>alba</i>	Desrousseaux
<i>Psoralea</i> , Linné	
P. <i>Australasica</i>	Schlechtendal

## UMBELLIFERÆ, JUSSIEU.

<i>Dichopetalum</i> , Ferd. Mueller	
D. <i>ranunculaceum</i>	Ferd. Mueller
<i>Pozoa</i> , Lagasca	
P. <i>fragosea</i>	Ferd. Mueller
<i>Diplaspis</i> , J. Hooker	
D. <i>hydrocotyle</i>	J. Hooker
<i>Faniculum</i> , Hoffmann	
*F. <i>vulgare</i>	Gaertner
<i>Pastinaca</i> , Linné	
*P. <i>sativa</i>	Linné
<i>Seseli</i> , Linné	
S. <i>Harveyanum</i>	Ferd. Mueller
S. <i>algens</i>	Ferd. Mueller
<i>Oreomyrrhis</i> , Endlicher	
O. <i>Colensoi</i>	J. Hooker

## RUBIACEÆ, JUSSIEU.

<i>Diodia</i> , Linné	
D. <i>reptans</i>	Ferd. Mueller
<i>Nertera</i> , Banks	
N. <i>depressa</i>	Banks
<i>Coprosma</i> , Forster	
C. <i>pumila</i>	J. Hooker

## COMPOSITÆ, VAILLANT.

<i>Eurybia</i> , Cassini	
E. <i>viscosa</i>	Cassini
<i>Brachycome</i> , Cassini	
B. <i>radicans</i>	Steetz
<i>Calotis</i> , R. Brown	
C. <i>glandulosa</i>	Ferd. Mueller
<i>Haplopappus</i> , Cassini	
H. <i>Pappochroma</i>	J. Hooker
<i>Solenogyne</i> , Cassini	
S. <i>Gunnii</i>	Ferd. Mueller
<i>Trineuron</i> , J. Hooker	
T. <i>nivigenum</i>	Ferd. Mueller
<i>Angianthus</i> , Wendland	
A. <i>tomentosus</i>	Wendland
<i>Ozothamnus</i> , R. Brown	
O. <i>purpurascens</i>	Candolle
<i>Antennaria</i> , R. Brown	
A. <i>uniceps</i>	Ferd. Mueller
<i>Ruttilosis</i> , Candolle	
R. <i>leioclepis</i>	Ferd. Mueller
<i>Chrysanthemum</i> , Linné	
*C. <i>segetum</i>	Linné
<i>Senecio</i> , Linné	
S. <i>Australis</i>	Willdenow
S. <i>spathulatus</i>	Lesson and Richard

## GOODENIACEÆ, R. BROWN.

<i>Dampiera</i> , R. Brown	
D. <i>rosmarinifolia</i>	Schlechtendal
<i>Velleia</i> , R. Brown	
V. <i>montana</i>	J. Hooker

## LOBELIACEÆ, JUSSIEU.

<i>Lobelia</i> , Linné	
L. <i>purpurascens</i>	R. Brown

## EPACRIDÆ, R. BROWN.

<i>Leucopogon</i> , Brown	
L. <i>collinus</i>	Brown
L. <i>Maccraei</i>	Ferd. Mueller
L. <i>Stuartii</i>	Ferd. Mueller
L. <i>nutans</i>	Ferd. Mueller
<i>Pentachondra</i> , R. Brown	
P. <i>pumila</i>	R. Brown
<i>Decaspora</i> , R. Brown	
D. <i>Clarkei</i>	Ferd. Mueller
<i>Epacris</i> , Smith	
E. <i>microphylla</i>	J. Hooker

## COROLLIFLORÆ, CANDOLLE.

## OLEINEÆ, HOFFMANNSEGG AND LINK.

<i>Notelaea</i> , Ventenat	
N. <i>venosa</i>	Ferd. Mueller

## LABIATÆ, JUSSIEU.

<i>Prostanthera</i> , Labillardière	
P. <i>Behriana</i>	Schlechtendal
<i>Melissa</i> , Linné	
*M. <i>officinalis</i>	Linné

## BORRAGINEÆ, R. BROWN.

<i>Heliotropium</i> , Linné	
● H. <i>asperrimum</i>	R. Brown
<i>Echinopspermum</i> , Swartz	
*E. <i>Lappula</i>	Lehmann

## CONVOLVULACEÆ, JUSSIEU.

<i>Calystegia</i> , R. Brown	
C. <i>marginata</i>	R. Brown





## SOLANACEÆ, JUSSIEU.

<i>Solanum</i> , Linné	
S. pungetium	R. Brown
S. simile	Ferd. Mueller
S. vescum	Ferd. Mueller

## SCROPHULARINÆ, R. BROWN.

<i>Paderota</i> , Linné	
P. densifolia	Ferd. Mueller
<i>Veronica</i> , Linné	
V. serpillifolia	Linné
V. nivea	J. Hooker

<i>Euphrasia</i> , Linné	
E. alsa	Ferd. Mueller
<i>Celsia</i> , Linné	
*C. Cretica	Linné, jun.

## PRIMULACEÆ, VENTENAT.

<i>Lysimachia</i> , Linné	
L. vulgaris	Linné

## PLANTAGINEÆ, VENTENAT.

<i>Plantago</i> , Linné	
P. carnosia	R. Brown
*P. major	Linné

## MONOCHILAMYDEÆ, CANDOLLE.

## PROTEACEÆ, R. BROWN.

<i>Grevillea</i> , R. Brown	
G. Miqueliana	Ferd. Mueller
<i>Orites</i> , R. Brown	
O. lancifolia	Ferd. Mueller

## THYMELEÆ, JUSSIEU.

<i>Drapetes</i> , Lamarck	
D. Tasmanica	J. Hooker
<i>Pimelea</i> , Banks and Solander	
P. pauciflora	R. Brown

## POLYONEÆ, JUSSIEU.

<i>Emex</i> , Necker	
E. Centropodium,	Meisner

## PHYTOLACCEÆ, R. BROWN.

<i>Cyclothea</i> , Moquin	
C. Australis	Moquin

## SANTALACEÆ, JUSSIEU.

<i>Choretrum</i> , R. Brown	
C. glomeratum	R. Brown

## Monocotyledoneæ.

## ORCHIDEÆ, JUSSIEU.

<i>Thelymitra</i> , Forster	
T. canaliculata	R. Brown
<i>Diuris</i> , Smith	
D. pardina	Lindley
<i>Prasophyllum</i> , R. Brown	
P. fimbriatum	R. Brown
<i>Microtis</i> , R. Brown	
M. parviflora	R. Brown
<i>Pterostylis</i> , R. Brown	
P. acuminata	R. Brown
<i>Gastrodia</i> , R. Brown	
G. sesamoides	R. Brown

## TRIDEÆ, JUSSIEU.

<i>Patersonia</i> , R. Brown	
P. subalpina	Ferd. Mueller
<i>Libertia</i> , Sprengel	
L. paniculata	Sprengel

## SILJACEÆ, CANDOLLE.

<i>Herpolirion</i> , J. Hooker	
H. Tasmaniae	J. Hooker
<i>Dianella</i> , Lamark	
D. aspera	Ferd. Mueller
<i>Geitonoplesium</i> , All. Cunningham	
G. cymosum	All. Cunningham

## NAJADEÆ, LINK.

<i>Zostera</i> , Linné	
Z. marina	Linné

## ASTELIÆ, ENDLICHER.

<i>Astelia</i> , Banks and Solander	
A. alpina	R. Brown
A. psychrocharis	Ferd. Mueller

## JUNCEÆ, CANDOLLE.

<i>Juncus</i> , Linné	
J. pallidus	R. Brown

## CYPEROIDEÆ, JUSSIEU.

<i>Scirpus</i> , Linné	
S. Rothii	Hoppe
<i>Lepidosperma</i> , Labillardière	
L. tortuosum	Ferd. Mueller
<i>Oreobolus</i> , R. Brown	
O. distichus	Ferd. Mueller
<i>Carpha</i> , Banks and Solander	
C. nivicola	Ferd. Mueller
<i>Chatospora</i> , R. Brown	
C. axillaris	R. Brown
<i>Carex</i> , Linné	
C. cephalotes	Ferd. Mueller
C. Pyrenaica	Wahlenberg
C. echinata	Murray
C. canescens	Linné
C. Buxbaumii	Wahlenberg
C. Gunniana	Boott
C. polyantha	Ferd. Mueller

## GRAMINEÆ, JUSSIEU.

<i>Zoysia</i> , Willdenow	
Z. pungens	Willdenow
<i>Chamaeraphis</i> , R. Brown	
C. paradoxa	Schultes
<i>Tetrarrhena</i> , R. Brown	
T. uniglumis	Ferd. Mueller

## Acotyledonae.

FILICES, JUSSIEU.					
<i>Doodia</i> , R. Brown			<i>Zonaria</i> , J. Agardh		J. Agardh
<i>D. aspera</i>	R. Brown		<i>Z. Diesingiana</i>		
<i>Botrychium</i> , Swartz			<i>Stilophora</i> , J. Agardh		Harvey
<i>B. Lunaria</i> , Swartz			<i>S. attenuata</i>		
LYCOPODINEÆ, SWARTZ.					
<i>Lycopodium</i> , Linné			<i>Asperococcus</i> , Lamouroux		Borg
<i>L. varium</i>	R. Brown		<i>A. sinuosus</i>		Hooker
MARSILEACEÆ, R. BROWN.					
<i>Marsilea</i> , Linné			<i>Punctaria</i> , Greville		Greville
<i>M. macropus</i>	Hooker		<i>P. latifolia</i>		
ALGÆ, JUSSIEU.					
(Enumerated chiefly from the collections and from the notes of Professor Harvey.)			<i>Chorda</i> , Lyngbye		Lyngbye
<i>Calothrix</i> , Agardh			<i>C. lomentaria</i>		
<i>C. caespitula</i>	Harvey		<i>Sporocnus</i> , Agardh		Agardh
<i>Rivularia</i> , Roth			<i>S. radiciformis</i>		Harvey
<i>R. nitida</i>	Agardh		<i>S. pedunculatus</i>		
<i>Conferva</i> , Fries			<i>Beilolia</i> , Harvey		Harvey
<i>C. valida</i>	J. Hooker and Harvey		<i>B. Eriophorum</i>		
<i>Phycoseris</i> , Kuetzing			<i>Dcsmarestia</i> , Lamouroux		Lamouroux
<i>P. latissima</i>	Kuetzing		<i>D. ligulata</i>		
<i>Enteromorpha</i> , Link			<i>Cystophora</i> , J. Agardh		J. Agardh
<i>E. clathrata</i>	Link		<i>C. monilifera</i>		J. Agardh
<i>Porphyra</i> , Agardh			<i>C. Sonderi</i>		Areschong
<i>P. laciniata</i>	Agardh		<i>C. polycistidea</i>		J. Agardh
<i>Dictyosphaeria</i> , Decaisne			<i>C. subarcinata</i>		Sonder
<i>D. sericea</i>	Harvey		<i>C. botryocystis</i>		J. Agardh
<i>Bryopsis</i> , Lamouroux			<i>C. uvifera</i>		J. Agardh
<i>B. plumosa</i>	Agardh		<i>C. torulosa</i>		
<i>Codium</i> , Agardh			<i>Cystophyllum</i> , J. Agardh		J. Agardh
<i>C. bursa</i>	Agardh		<i>C. muricatum</i>		
<i>Apjohnia</i> , Harvey			<i>Scaberia</i> , Greville		Greville
<i>A. luteo vires</i>	Harvey		<i>S. Agardhii</i>		
<i>Gelidium</i> , Lamouroux			<i>Sargassum</i> , Agardh		R. Brown
<i>G. Muelleri</i>	Sonder		<i>S. paradoxum</i>		J. Agardh
<i>G. vesiculifera</i>	Harvey		<i>S. lacerifolium</i>		J. Hooker and Harvey
<i>Leathesia</i> , Gray			<i>S. Raoultii</i>		
<i>L. umbellata</i>	Meneghini		<i>Carpoglossum</i> , Kuetzing		Kuetzing
<i>L. tuberiformis</i>	Harvey		<i>C. confluent</i>		
<i>Myriocladia</i> , J. Agardh			<i>Myriodesma</i> , Decaisne		Harvey
<i>M. Sciurus</i>	Harvey		<i>M. integerrimum</i>		
<i>Mesogloia</i> , Agardh			<i>Nothia</i> , Bailey and Harvey		Bailey and Harvey
<i>M. virescens</i>	Carmichael		<i>N. anomala</i>		
<i>M. Filum</i>	Harvey		<i>Fucodium</i> , J. Agardh		J. Agardh
<i>Cladosiphon</i> , Kuetzing			<i>F. chondrophyllum</i>		
<i>C. nigricans</i>	Harvey		<i>Centroceras</i> , Kuetzing		Agardh
<i>C. chordaria</i>	Harvey		<i>C. clavulatum</i>		
<i>C. dictyosiphon</i>	Harvey		<i>Crouania</i> , J. Agardh		Harvey
<i>Cutleria</i> , Greville			<i>C. insignis</i>		
<i>C. multifida</i>	Greville		<i>Dasyphila</i> , Sonder		Sonder
<i>Cladostephus</i> , Agardh			<i>D. Preissii</i>		
<i>C. spongiosus</i>	Agardh		<i>Corynospora</i> , J. Agardh		J. Agardh
<i>Ectocarpus</i> , Lyngbye			<i>C. pedicellato</i>		
<i>E. siliculosus</i>	Lyngbye		<i>Ceramium</i> , Lyngbye		Sonder
<i>Padina</i> , Adanson			<i>C. puberulum</i>		Roth
<i>P. Pavonia</i>	Adanson		<i>C. diaphanum</i>		Harvey
<i>Dictyota</i> , J. Agardh			<i>C. pusillum</i>		
<i>D. Kunthii</i>	Agardh		<i>Phylota</i> , Agardh		J. Agardh
<i>D. dichotoma</i>	Lamouroux		<i>P. articulata</i>		Harvey
			<i>P. rhodocallis</i>		J. Hooker and Harvey
			<i>P. Jeaneretti</i>		
			<i>Griffithsia</i> , Agardh		Agardh
			<i>G. corallina</i>		Sonder
			<i>G. Binderiana</i>		Harvey
			<i>G. monilis</i>		
			<i>Ballia</i> , Harvey		Harvey
			<i>B. Robertiana</i>		Harvey
			<i>B. Mariana</i>		







BOTANY.—*d.*

<i>Jeannerettia</i> , Harvey			<i>Polysiphonia</i> , Greville	
<i>J. lobata</i>	Harvey		<i>P. mallardiæ</i>	Harvey
<i>Chondria</i> , Agardh			<i>P. mollis</i>	Harvey
<i>C. dasyphylla</i>	Harvey		<i>P. versicolor</i>	Harvey
<i>C. corynephora</i>	Harvey		<i>P. filipendula</i>	Harvey
<i>C. verticillata</i>	Harvey		<i>P. Victoriae</i>	Harvey
<i>Rhodomela</i> , Agardh			<i>P. fuscescens</i>	Harvey
<i>R. simpliciuscula</i>	Harvey		<i>P. frutex</i>	Harvey
<i>Amansia</i> , Lamouroux			<i>P. dendritica</i>	Harvey
<i>A. linearis</i>	Harvey		<i>P. spinosissima</i>	Harvey
<i>Bostrychia</i> , Montagne			<i>Dasya</i> , Agardh	
<i>B. rivularis</i>	Harvey		<i>D. Gunniana</i>	Harvey
<i>Rhytiplea</i> , Agardh			<i>D. elongata</i>	Sonder
<i>R. Australis</i>	Endlicher		<i>D. Haffnæ</i>	Harvey
<i>R. simplicifolia</i>	Harvey		<i>D. wrangelioides</i>	Harvey
			<i>D. mollis</i>	Harvey
			<i>D. tenera</i>	Harvey
			<i>D. pellucida</i>	Harvey
			<i>D. naccaroides</i>	Harvey
			<i>D. bolbochæte</i>	Harvey
			<i>D. Lawrenciana</i>	Harvey
			<i>D. hapalothrix</i>	Harvey
			<i>D. urceolata</i>	Harvey

The introduced, not indigenous, plants of this list are marked with an asterisk.

*Jeannerettia lobata*  
*Chondria dasyphylla*  
*Chondria corynephora*  
*Chondria verticillata*  
*Rhodomela simpliciuscula*  
*Amansia linearis*  
*Bostrychia rivularis*  
*Rhytiplea Australis*  
*Rhytiplea simplicifolia*



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